

**LAMPIRAN 1**  
**DATA SONDIR**

**TABEL L.1.1 DATA TANAH UJI SONDIR CPT**

Kedalaman (m)	qc	JHP	20fs	fs	Rf	Jenis Tanah
0.00	0.00	0.00	0.00	0.00	0.00	Verry small sands
-0.20	0.00	0.00	0.00	0.00	0.00	Verry small sands
-0.40	2.00	0.00	0.00	0.00	0.00	Verry small sands
-0.60	3.75	5.00	5.00	0.25	6.67	Soft insensitive non-fissured inorganic clay
-0.80	2.50	7.50	2.50	0.13	5.00	Very soft insensitive non-fissured inorganic clay
-1.00	2.00	10.00	2.50	0.13	6.25	Organic clays and mixed soils
-1.20	4.00	12.00	2.00	0.10	2.50	Sandy and silty clays
-1.40	2.00	14.00	2.00	0.10	5.00	Very soft insensitive non-fissured inorganic clay
-1.60	1.50	15.00	1.00	0.05	3.33	Very soft insensitive non-fissured inorganic clay
-1.80	1.50	16.25	1.25	0.06	4.17	Very soft insensitive non-fissured inorganic clay
-2.00	1.50	17.50	1.25	0.06	4.17	Very soft insensitive non-fissured inorganic clay
-2.20	1.50	18.75	1.25	0.06	4.17	Very soft insensitive non-fissured inorganic clay
-2.40	1.50	20.25	1.50	0.08	5.00	Very soft insensitive non-fissured inorganic clay
-2.60	1.50	21.75	1.50	0.08	5.00	Very soft insensitive non-fissured inorganic clay
-2.80	1.50	23.00	1.25	0.06	4.17	Very soft insensitive non-fissured inorganic clay
-3.00	1.50	24.00	1.00	0.05	3.33	Very soft insensitive non-fissured inorganic clay
-3.20	1.50	25.50	1.50	0.08	5.00	Very soft insensitive non-fissured inorganic clay
-3.40	1.50	27.00	1.50	0.08	5.00	Very soft insensitive non-fissured inorganic clay
-3.60	1.50	28.50	1.50	0.08	5.00	Very soft insensitive non-fissured inorganic clay
-3.80	1.50	30.00	1.50	0.08	5.00	Very soft insensitive non-fissured inorganic clay
-4.00	1.50	31.00	1.00	0.05	3.33	Very soft insensitive non-fissured inorganic clay
-4.20	2.50	34.00	3.00	0.15	6.00	Organic clays and mixed soils
-4.40	2.50	37.00	3.00	0.15	6.00	Organic clays and mixed soils
-4.60	2.50	40.00	3.00	0.15	6.00	Organic clays and mixed soils
-4.80	1.50	41.50	1.50	0.08	5.00	Very soft insensitive non-fissured inorganic clay
-5.00	1.50	43.00	1.50	0.08	5.00	Very soft insensitive non-fissured inorganic clay

Soft Clay

**TABEL DATA TANAH UJI SONDIR CPT (LANJUTAN)**

Kedalaman (m)	qc	JHP	20fs	fs	Rf	Jenis Tanah	
-5.20	1.50	44.00	1.00	0.05	3.33	Very soft insensitive non-fissured inorganic clay	Soft Clay
-5.40	1.50	46.00	2.00	0.10	6.67	Organic clays and mixed soils	
-5.60	1.50	48.00	2.00	0.10	6.67	Organic clays and mixed soils	
-5.80	1.50	50.00	2.00	0.10	6.67	Organic clays and mixed soils	
-6.00	1.50	51.25	1.25	0.06	4.17	Very soft insensitive non-fissured inorganic clay	
-6.20	1.50	52.50	1.25	0.06	4.17	Very soft insensitive non-fissured inorganic clay	
-6.40	1.50	54.00	1.50	0.08	5.00	Very soft insensitive non-fissured inorganic clay	
-6.60	2.50	57.50	3.50	0.18	7.00	Organic clays and mixed soils	
-6.80	1.50	59.00	1.50	0.08	5.00	Very soft insensitive non-fissured inorganic clay	
-7.00	3.00	61.25	2.25	0.11	3.75	Very soft insensitive non-fissured inorganic clay	
-7.20	2.00	62.50	1.25	0.06	3.13	Sandy and silty clays	
-7.40	11.00	70.00	7.50	0.38	3.41	Sandy and silty clays	
-7.60	8.00	75.00	5.00	0.25	3.13	Sandy and silty clays	
-7.80	9.00	82.50	7.50	0.38	4.17	Medium insensitive non-fissured inorganic clay	
-8.00	8.00	87.50	5.00	0.25	3.13	Sandy and silty clays	
-8.20	7.00	90.00	2.50	0.13	1.79	Loose Sand	
-8.40	10.00	100.00	10.00	0.50	5.00	Stiff insensitive non-fissured inorganic clay	
-8.60	12.00	110.00	10.00	0.50	4.17	Medium insensitive non-fissured inorganic clay	
-8.80	12.00	120.00	10.00	0.50	4.17	Medium insensitive non-fissured inorganic clay	
-9.00	45.00	135.00	15.00	0.75	1.67	Sand	Sand
-9.20	17.00	140.00	5.00	0.25	1.47	Loose Sand	
-9.40	16.50	150.00	10.00	0.50	3.03	Sandy and silty clays	
-9.60	25.00	155.00	5.00	0.25	1.00	Sand	
-9.80	17.00	165.00	10.00	0.50	2.94	Sandy and silty clays	
-10.00	17.00	175.00	10.00	0.50	2.94	Sandy and silty clays	

**TABEL DATA TANAH UJI SONDIR CPT (LANJUTAN)**

Kedalaman (m)	qc	JHP	20fs	fs	Rf	Jenis Tanah	
-10.20	22.00	180.00	5.00	0.25	1.14	Sand	<b>Sand</b>
-10.40	22.00	185.00	5.00	0.25	1.14	Sand	
-10.60	16.00	190.00	5.00	0.25	1.56	Loose Sand	
-10.80	20.00	200.00	10.00	0.50	2.50	Clayey - Sands and silts	
-11.00	22.00	205.00	5.00	0.25	1.14	Sand	
-11.20	22.00	210.00	5.00	0.25	1.14	Sand	
-11.40	20.00	215.00	5.00	0.25	1.25	Sand	
-11.60	22.00	220.00	5.00	0.25	1.14	Sand	
-11.80	27.00	230.00	10.00	0.50	1.85	Sand	
-12.00	27.00	240.00	10.00	0.50	1.85	Sand	
-12.20	22.00	245.00	5.00	0.25	1.14	Sand	
-12.40	24.00	255.00	10.00	0.50	2.08	Sand	
-12.60	27.00	260.00	5.00	0.25	0.93	Sand	
-12.80	18.00	265.00	5.00	0.25	1.39	Loose	
-13.00	30.00	280.00	15.00	0.75	2.50	Clayey - Sands and silts	
-13.20	30.00	300.00	20.00	1.00	3.33	Sandy and silty clays	
-13.40	37.00	320.00	20.00	1.00	2.70	Clayey - Sands and silts	
-13.60	45.00	330.00	10.00	0.50	1.11	Sand	
-13.80	37.00	345.00	15.00	0.75	2.03	Sand	
-14.00	53.00	365.00	20.00	1.00	1.89	Sand	
-14.20	101.00	395.00	30.00	1.50	1.49	Dense or cemented sands	<b>Dense Sand</b>
-14.40	80.00	415.00	20.00	1.00	1.25	Dense or cemented sands	
-14.60	90.00	450.00	35.00	1.75	1.94	Dense or cemented sands	
-14.80	159.00	490.00	40.00	2.00	1.26	Dense or cemented sands	
-15.00	204.00	530.00	40.00	2.00	0.98	Dense or cemented sands	
-15.20	250.00	530.00	0.00	0.00	0.00	Limerocks	

**LAMPIRAN 2**  
**NILAI PERIODE GETAR**

**Tabel L.2.1 Nilai Periode Getar**

Mode	Period	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY	RZ	SumRX	SumRY	SumRZ
1	1.1555	0.0008	79.0096	0.0000	0.0008	79.0096	0.0000	99.4018	0.0010	0.1021	99.4018	0.0010	0.1021
2	1.0650	76.9701	0.0073	0.0000	76.9709	79.0170	0.0000	0.0092	96.1535	2.6703	99.4110	96.1545	2.7724
3	1.0223	2.6731	0.0935	0.0000	79.6440	79.1105	0.0000	0.1169	3.3294	76.7133	99.5278	99.4838	79.4857
4	0.3879	0.0002	10.7974	0.0000	79.6442	89.9079	0.0000	0.1880	0.0000	0.0155	99.7159	99.4838	79.5012
5	0.3614	10.2833	0.0012	0.0000	89.9275	89.9091	0.0000	0.0000	0.2385	0.3214	99.7159	99.7224	79.8227
6	0.3465	0.3245	0.0152	0.0000	90.2520	89.9243	0.0000	0.0003	0.0076	10.2248	99.7162	99.7299	90.0474
7	0.2222	0.0001	4.0206	0.0000	90.2521	93.9449	0.0000	0.2444	0.0000	0.0076	99.9606	99.7299	90.0550
8	0.2097	3.8401	0.0006	0.0000	94.0921	93.9455	0.0000	0.0000	0.2279	0.1105	99.9606	99.9578	90.1655
9	0.2007	0.1098	0.0072	0.0000	94.2019	93.9527	0.0000	0.0004	0.0065	3.8830	99.9611	99.9643	94.0485
10	0.1509	0.0001	2.3487	0.0000	94.2021	96.3015	0.0000	0.0001	0.0000	0.0051	99.9612	99.9643	94.0536
11	0.1439	2.2658	0.0005	0.0000	96.4678	96.3019	0.0000	0.0000	0.0000	0.0531	99.9612	99.9644	94.1067
12	0.1372		0.0049	0.0000	96.5208	96.3068	0.0000	0.0000	0.0000	2.2940	99.9612	99.9644	96.4007

**LAMPIRAN 3**  
**BATAS LAYAN BATAS ULTIMATE**

### A. Struktur Gedung yang Didesain berdasarkan SNI 03-1726-2002

Berdasarkan dari analisis didapatkan bahwa *drift* yang terjadi pada struktur masih memenuhi syarat batas layan dan batas *ultimate* untuk gedung beraturan (SNI 03-1726-2002), dapat di lihat seperti Tabel *Story Drift* berikut dibawah ini:

**Tabel L.3.1 *Story Drift* dan Batas *Ultimate* SNI 03-1726-2002**

Story	Item	Load	DriftX	DriftY	h	Batas Layan			
						0.03*h/R	0.03	Syarat (arah x)	Syarat (arah y)
STORY10	Max Drift X	EQX	0.000164		3.6	0.012706	0.03	Memenuhi	
STORY10	Max Drift Y	EQX		0.000015	3.6	0.012706	0.03		Memenuhi
STORY10	Max Drift X	EQY	0.000015		3.6	0.012706	0.03	Memenuhi	
STORY10	Max Drift Y	EQY		0.0002	3.6	0.012706	0.03		Memenuhi
STORY9	Max Drift X	EQX	0.000293		3.6	0.012706	0.03	Memenuhi	
STORY9	Max Drift Y	EQX		0.000027	3.6	0.012706	0.03		Memenuhi
STORY9	Max Drift X	EQY	0.000028		3.6	0.012706	0.03	Memenuhi	
STORY9	Max Drift Y	EQY		0.000341	3.6	0.012706	0.03		Memenuhi
STORY8	Max Drift X	EQX	0.000369		3.6	0.012706	0.03	Memenuhi	
STORY8	Max Drift Y	EQX		0.000034	3.6	0.012706	0.03		Memenuhi
STORY8	Max Drift X	EQY	0.000035		3.6	0.012706	0.03	Memenuhi	
STORY8	Max Drift Y	EQY		0.000431	3.6	0.012706	0.03		Memenuhi
STORY7	Max Drift X	EQX	0.000463		3.6	0.012706	0.03	Memenuhi	
STORY7	Max Drift Y	EQX		0.000043	3.6	0.012706	0.03		Memenuhi
STORY7	Max Drift X	EQY	0.000044		3.6	0.012706	0.03	Memenuhi	
STORY7	Max Drift Y	EQY		0.000535	3.6	0.012706	0.03		Memenuhi
STORY6	Max Drift X	EQX	0.000545		3.6	0.012706	0.03	Memenuhi	
STORY6	Max Drift Y	EQX		0.000051	3.6	0.012706	0.03		Memenuhi
STORY6	Max Drift X	EQY	0.000052		3.6	0.012706	0.03	Memenuhi	
STORY6	Max Drift Y	EQY		0.000626	3.6	0.012706	0.03		Memenuhi
STORY5	Max Drift X	EQX	0.000561		3.6	0.012706	0.03	Memenuhi	
STORY5	Max Drift Y	EQX		0.000053	3.6	0.012706	0.03		Memenuhi
STORY5	Max Drift X	EQY	0.000054		3.6	0.012706	0.03	Memenuhi	
STORY5	Max Drift Y	EQY		0.000651	3.6	0.012706	0.03		Memenuhi
STORY4	Max Drift X	EQX	0.000608		3.6	0.012706	0.03	Memenuhi	
STORY4	Max Drift Y	EQX		0.000057	3.6	0.012706	0.03		Memenuhi
STORY4	Max Drift X	EQY	0.000059		3.6	0.012706	0.03	Memenuhi	
STORY4	Max Drift Y	EQY		0.000701	3.6	0.012706	0.03		Memenuhi
STORY3	Max Drift X	EQX	0.000635		3.6	0.012706	0.03	Memenuhi	
STORY3	Max Drift Y	EQX		0.00006	3.6	0.012706	0.03		Memenuhi
STORY3	Max Drift X	EQY	0.000061		3.6	0.012706	0.03	Memenuhi	
STORY3	Max Drift Y	EQY		0.000725	3.6	0.012706	0.03		Memenuhi
STORY2	Max Drift X	EQX	0.000576		3.6	0.012706	0.03	Memenuhi	
STORY2	Max Drift Y	EQX		0.000054	3.6	0.012706	0.03		Memenuhi
STORY2	Max Drift X	EQY	0.000055		3.6	0.012706	0.03	Memenuhi	
STORY2	Max Drift Y	EQY		0.000651	3.6	0.012706	0.03		Memenuhi
STORY1	Max Drift X	EQX	0.000369		4	0.014118	0.03	Memenuhi	
STORY1	Max Drift Y	EQX		0.000034	4	0.014118	0.03		Memenuhi
STORY1	Max Drift X	EQY	0.000035		4	0.014118	0.03	Memenuhi	
STORY1	Max Drift Y	EQY		0.000399	4	0.014118	0.03		Memenuhi



**Tabel L.3.1 Story Drift dan Batas Ultimate SNI 03-1726-2002 (Lanjutan)**

Story	Item	Load	DriftX	DriftY	Batas Ultimate	Batas Ultimate	
						Syarat (arah x)	Syarat (arah y)
STORY10	Max Drift X	EQX	0.0009758		0.072	Memenuhi	
STORY10	Max Drift Y	EQX		0.00008925	0.072		Memenuhi
STORY10	Max Drift X	EQY	0.00008925		0.072	Memenuhi	
STORY10	Max Drift Y	EQY		0.00119	0.072		Memenuhi
STORY9	Max Drift X	EQX	0.00174335		0.072	Memenuhi	
STORY9	Max Drift Y	EQX		0.00016065	0.072		Memenuhi
STORY9	Max Drift X	EQY	0.0001666		0.072	Memenuhi	
STORY9	Max Drift Y	EQY		0.00202895	0.072		Memenuhi
STORY8	Max Drift X	EQX	0.00219555		0.072	Memenuhi	
STORY8	Max Drift Y	EQX		0.0002023	0.072		Memenuhi
STORY8	Max Drift X	EQY	0.00020825		0.072	Memenuhi	
STORY8	Max Drift Y	EQY		0.00256445	0.072		Memenuhi
STORY7	Max Drift X	EQX	0.00275485		0.072	Memenuhi	
STORY7	Max Drift Y	EQX		0.00025585	0.072		Memenuhi
STORY7	Max Drift X	EQY	0.0002618		0.072	Memenuhi	
STORY7	Max Drift Y	EQY		0.00318325	0.072		Memenuhi
STORY6	Max Drift X	EQX	0.00324275		0.072	Memenuhi	
STORY6	Max Drift Y	EQX		0.00030345	0.072		Memenuhi
STORY6	Max Drift X	EQY	0.0003094		0.072	Memenuhi	
STORY6	Max Drift Y	EQY		0.0037247	0.072		Memenuhi
STORY5	Max Drift X	EQX	0.00333795		0.072	Memenuhi	
STORY5	Max Drift Y	EQX		0.00031535	0.072		Memenuhi
STORY5	Max Drift X	EQY	0.0003213		0.072	Memenuhi	
STORY5	Max Drift Y	EQY		0.00387345	0.072		Memenuhi
STORY4	Max Drift X	EQX	0.0036176		0.072	Memenuhi	
STORY4	Max Drift Y	EQX		0.00033915	0.072		Memenuhi
STORY4	Max Drift X	EQY	0.00035105		0.072	Memenuhi	
STORY4	Max Drift Y	EQY		0.00417095	0.072		Memenuhi
STORY3	Max Drift X	EQX	0.00377825		0.072	Memenuhi	
STORY3	Max Drift Y	EQX		0.000357	0.072		Memenuhi
STORY3	Max Drift X	EQY	0.00036295		0.072	Memenuhi	
STORY3	Max Drift Y	EQY		0.00431375	0.072		Memenuhi
STORY2	Max Drift X	EQX	0.0034272		0.072	Memenuhi	
STORY2	Max Drift Y	EQX		0.0003213	0.072		Memenuhi
STORY2	Max Drift X	EQY	0.00032725		0.072	Memenuhi	
STORY2	Max Drift Y	EQY		0.00387345	0.072		Memenuhi
STORY1	Max Drift X	EQX	0.00219555		0.08	Memenuhi	
STORY1	Max Drift Y	EQX		0.0002023	0.08		Memenuhi
STORY1	Max Drift X	EQY	0.00020825		0.08	Memenuhi	
STORY1	Max Drift Y	EQY		0.00237405	0.08		Memenuhi

## B. Struktur Gedung yang Didesain berdasarkan FEMA 450

Berdasarkan dari analisis didapatkan bahwa *drift* yang terjadi pada struktur masih memenuhi syarat batas layan dan batas *ultimate* untuk gedung beraturan (FEMA 450), dapat di lihat seperti Tabel *Story Drift* berikut dibawah ini:

**Tabel L.3.2 Story Drift dan Batas Ultimate FEMA 450**

Story	Item	Load	DriftX	DriftY	h	Batas Layan			
						0.03*h/R	0.03	Syarat (arah x)	Syarat (arah y)
STORY10	Max Drift X	EQX	0.000166		3.6	0.012706	0.03	Memenuhi	
STORY10	Max Drift Y	EQX		0.000019	3.6	0.012706	0.03		Memenuhi
STORY10	Max Drift X	EQY	0.000002		3.6	0.012706	0.03	Memenuhi	
STORY10	Max Drift Y	EQY		0.000208	3.6	0.012706	0.03		Memenuhi
STORY9	Max Drift X	EQX	0.000296		3.6	0.012706	0.03	Memenuhi	
STORY9	Max Drift Y	EQX		0.000034	3.6	0.012706	0.03		Memenuhi
STORY9	Max Drift X	EQY	0.000007		3.6	0.012706	0.03	Memenuhi	
STORY9	Max Drift Y	EQY		0.000352	3.6	0.012706	0.03		Memenuhi
STORY8	Max Drift X	EQX	0.000373		3.6	0.012706	0.03	Memenuhi	
STORY8	Max Drift Y	EQX		0.000043	3.6	0.012706	0.03		Memenuhi
STORY8	Max Drift X	EQY	0.000007		3.6	0.012706	0.03	Memenuhi	
STORY8	Max Drift Y	EQY		0.000445	3.6	0.012706	0.03		Memenuhi
STORY7	Max Drift X	EQX	0.000468		3.6	0.012706	0.03	Memenuhi	
STORY7	Max Drift Y	EQX		0.000054	3.6	0.012706	0.03		Memenuhi
STORY7	Max Drift X	EQY	0.00001		3.6	0.012706	0.03	Memenuhi	
STORY7	Max Drift Y	EQY		0.000552	3.6	0.012706	0.03		Memenuhi
STORY6	Max Drift X	EQX	0.00055		3.6	0.012706	0.03	Memenuhi	
STORY6	Max Drift Y	EQX		0.000064	3.6	0.012706	0.03		Memenuhi
STORY6	Max Drift X	EQY	0.000012		3.6	0.012706	0.03	Memenuhi	
STORY6	Max Drift Y	EQY		0.000646	3.6	0.012706	0.03		Memenuhi
STORY5	Max Drift X	EQX	0.000568		3.6	0.012706	0.03	Memenuhi	
STORY5	Max Drift Y	EQX		0.000067	3.6	0.012706	0.03		Memenuhi
STORY5	Max Drift X	EQY	0.00001		3.6	0.012706	0.03	Memenuhi	
STORY5	Max Drift Y	EQY		0.000672	3.6	0.012706	0.03		Memenuhi
STORY4	Max Drift X	EQX	0.000615		3.6	0.012706	0.03	Memenuhi	
STORY4	Max Drift Y	EQX		0.000072	3.6	0.012706	0.03		Memenuhi
STORY4	Max Drift X	EQY	0.000012		3.6	0.012706	0.03	Memenuhi	
STORY4	Max Drift Y	EQY		0.000722	3.6	0.012706	0.03		Memenuhi
STORY3	Max Drift X	EQX	0.000642		3.6	0.012706	0.03	Memenuhi	
STORY3	Max Drift Y	EQX		0.000075	3.6	0.012706	0.03		Memenuhi
STORY3	Max Drift X	EQY	0.000016		3.6	0.012706	0.03	Memenuhi	
STORY3	Max Drift Y	EQY		0.000747	3.6	0.012706	0.03		Memenuhi
STORY2	Max Drift X	EQX	0.000581		3.6	0.012706	0.03	Memenuhi	
STORY2	Max Drift Y	EQX		0.000067	3.6	0.012706	0.03		Memenuhi
STORY2	Max Drift X	EQY	0.000018		3.6	0.012706	0.03	Memenuhi	
STORY2	Max Drift Y	EQY		0.000669	3.6	0.012706	0.03		Memenuhi
STORY1	Max Drift X	EQX	0.000372		4	0.014118	0.03	Memenuhi	
STORY1	Max Drift Y	EQX		0.00004	4	0.014118	0.03		Memenuhi
STORY1	Max Drift X	EQY	0.00002		4	0.014118	0.03	Memenuhi	
STORY1	Max Drift Y	EQY		0.000408	4	0.014118	0.03		Memenuhi

**Tabel L.3.2 Story Drift dan Batas Ultimate FEMA 450 (Lanjutan)**

Story	Item	Load	DriftX	DriftY	Batas Ultimate	Batas Ultimate	
						Syarat (arah x)	Syarat (arah y)
STORY10	Max Drift X	EQX	0.0009877		0.072	Memenuhi	
STORY10	Max Drift Y	EQX		0.00011305	0.072		Memenuhi
STORY10	Max Drift X	EQY	0.0000119		0.072	Memenuhi	
STORY10	Max Drift Y	EQY		0.0012376	0.072		Memenuhi
STORY9	Max Drift X	EQX	0.0017612		0.072	Memenuhi	
STORY9	Max Drift Y	EQX		0.0002023	0.072		Memenuhi
STORY9	Max Drift X	EQY	0.00004165		0.072	Memenuhi	
STORY9	Max Drift Y	EQY		0.0020944	0.072		Memenuhi
STORY8	Max Drift X	EQX	0.00221935		0.072	Memenuhi	
STORY8	Max Drift Y	EQX		0.00025585	0.072		Memenuhi
STORY8	Max Drift X	EQY	0.00004165		0.072	Memenuhi	
STORY8	Max Drift Y	EQY		0.00264775	0.072		Memenuhi
STORY7	Max Drift X	EQX	0.0027846		0.072	Memenuhi	
STORY7	Max Drift Y	EQX		0.0003213	0.072		Memenuhi
STORY7	Max Drift X	EQY	0.0000595		0.072	Memenuhi	
STORY7	Max Drift Y	EQY		0.0032844	0.072		Memenuhi
STORY6	Max Drift X	EQX	0.0032725		0.072	Memenuhi	
STORY6	Max Drift Y	EQX		0.0003808	0.072		Memenuhi
STORY6	Max Drift X	EQY	0.0000714		0.072	Memenuhi	
STORY6	Max Drift Y	EQY		0.0038437	0.072		Memenuhi
STORY5	Max Drift X	EQX	0.0033796		0.072	Memenuhi	
STORY5	Max Drift Y	EQX		0.00039865	0.072		Memenuhi
STORY5	Max Drift X	EQY	0.0000595		0.072	Memenuhi	
STORY5	Max Drift Y	EQY		0.0039984	0.072		Memenuhi
STORY4	Max Drift X	EQX	0.00365925		0.072	Memenuhi	
STORY4	Max Drift Y	EQX		0.0004284	0.072		Memenuhi
STORY4	Max Drift X	EQY	0.0000714		0.072	Memenuhi	
STORY4	Max Drift Y	EQY		0.0042959	0.072		Memenuhi
STORY3	Max Drift X	EQX	0.0038199		0.072	Memenuhi	
STORY3	Max Drift Y	EQX		0.00044625	0.072		Memenuhi
STORY3	Max Drift X	EQY	0.0000952		0.072	Memenuhi	
STORY3	Max Drift Y	EQY		0.00444465	0.072		Memenuhi
STORY2	Max Drift X	EQX	0.00345695		0.072	Memenuhi	
STORY2	Max Drift Y	EQX		0.00039865	0.072		Memenuhi
STORY2	Max Drift X	EQY	0.0001071		0.072	Memenuhi	
STORY2	Max Drift Y	EQY		0.00398055	0.072		Memenuhi
STORY1	Max Drift X	EQX	0.0022134		0.08	Memenuhi	
STORY1	Max Drift Y	EQX		0.000238	0.08		Memenuhi
STORY1	Max Drift X	EQY	0.000119		0.08	Memenuhi	
STORY1	Max Drift Y	EQY		0.0024276	0.08		Memenuhi

**LAMPIRAN 4**  
**STORY SHEAR**

**Tabel L.4.1 Story Shear Pada Desain Gedung SNI 03-1726-2002**

Story	Load	Loc	P	VX	VY	T	MX	MY
STORY10	COMB1	Top	1268581.4	0	0	0	19221232	-23871958
STORY10	COMB1	Bottom	1466169.6	0	0	0	22448505	-27670041
STORY10	COMB2	Top	1497115.5	0	0	0	23029261	-28263918
STORY10	COMB2	Bottom	1666476.8	0	0	0	25795496	-31519418
STORY10	COMB3	Top	1215405.5	-42927.84	-11868.02	501925.85	18523441	-22899878
STORY10	COMB3	Bottom	1384766.8	-42927.84	-11868.02	501925.85	21332401	-26309918
STORY10	COMB4	Top	1215405.5	-42927.84	11868.01	999505.02	18523441	-22899878
STORY10	COMB4	Bottom	1384766.8	-42927.84	11868.01	999505.02	21246951	-26309918
STORY10	COMB5	Top	1215405.5	42927.84	11868.01	-501925.85	18523441	-22899878
STORY10	COMB5	Bottom	1384766.8	42927.84	11868.01	-501925.85	21246951	-26000838
STORY10	COMB6	Top	1215405.5	42927.84	-11868.01	-999505.02	18523441	-22899878
STORY10	COMB6	Bottom	1384766.8	42927.84	-11868.01	-999505.02	21332401	-26000838
STORY10	COMB7	Top	1215405.5	-12878.35	-39560.05	-604083.98	18523441	-22899878
STORY10	COMB7	Bottom	1384766.8	-12878.35	-39560.05	-604083.98	21432092	-26201740
STORY10	COMB8	Top	1215405.5	-12878.35	39560.05	1054513.2	18523441	-22899878
STORY10	COMB8	Bottom	1384766.8	-12878.35	39560.05	1054513.2	21147260	-26201740
STORY10	COMB9	Top	1215405.5	12878.35	39560.05	604083.98	18523441	-22899878
STORY10	COMB9	Bottom	1384766.8	12878.35	39560.05	604083.98	21147260	-26109016
STORY10	COMB10	Top	1215405.5	12878.35	-39560.05	-1054513.2	18523441	-22899878
STORY10	COMB10	Bottom	1384766.8	12878.35	-39560.05	-1054513.2	21432092	-26109016
STORY10	COMB11	Top	815516.64	-42927.84	-11868.02	501925.85	12356506	-15346259
STORY10	COMB11	Bottom	942537.6	-42927.84	-11868.02	501925.85	14473907	-17942424
STORY10	COMB12	Top	815516.64	-42927.84	11868.01	999505.02	12356506	-15346259
STORY10	COMB12	Bottom	942537.6	-42927.84	11868.01	999505.02	14388457	-17942424
STORY10	COMB13	Top	815516.64	42927.84	11868.01	-501925.85	12356506	-15346259
STORY10	COMB13	Bottom	942537.6	42927.84	11868.01	-501925.85	14388457	-17633343
STORY10	COMB14	Top	815516.64	42927.84	-11868.01	-999505.02	12356506	-15346259
STORY10	COMB14	Bottom	942537.6	42927.84	-11868.01	-999505.02	14473907	-17633343
STORY10	COMB15	Top	815516.64	-12878.35	-39560.05	-604083.98	12356506	-15346259
STORY10	COMB15	Bottom	942537.6	-12878.35	-39560.05	-604083.98	14573598	-17834246
STORY10	COMB16	Top	815516.64	-12878.35	39560.05	1054513.2	12356506	-15346259
STORY10	COMB16	Bottom	942537.6	-12878.35	39560.05	1054513.2	14288766	-17834246
STORY10	COMB17	Top	815516.64	12878.35	39560.05	604083.98	12356506	-15346259
STORY10	COMB17	Bottom	942537.6	12878.35	39560.05	604083.98	14288766	-17741522
STORY10	COMB18	Top	815516.64	12878.35	-39560.05	-1054513.2	12356506	-15346259
STORY10	COMB18	Bottom	942537.6	12878.35	-39560.05	-1054513.2	14573598	-17741522
STORY9	COMB1	Top	2734751	0	0	0	41669737	-51541999
STORY9	COMB1	Bottom	2932339.2	0	0	0	44897010	-55340083
STORY9	COMB2	Top	3163592.3	0	0	0	48824757	-59783336
STORY9	COMB2	Bottom	3332953.6	0	0	0	51590991	-63038837
STORY9	COMB3	Top	2600172.3	-85558.99	-23654.01	1001166.7	39855842	-49209797
STORY9	COMB3	Bottom	2769533.6	-85558.99	-23654.01	1001166.7	42707231	-52773309
STORY9	COMB4	Top	2600172.3	-85558.99	23654.01	1993228.7	39770392	-49209797
STORY9	COMB4	Bottom	2769533.6	-85558.99	23654.01	1993228.7	42451472	-52773309
STORY9	COMB5	Top	2600172.3	85558.99	23654.01	-1001166.7	39770392	-48900716
STORY9	COMB5	Bottom	2769533.6	85558.99	23654.01	-1001166.7	42451472	-51848204
STORY9	COMB6	Top	2600172.3	85558.99	-23654.01	-1993228.7	39855842	-48900716

**Tabel L.4.1 Story Shear Pada Desain Gedung SNI 03-1726-2002 (Lanjutan)**

Story	Load	Loc	P	VX	VY	T	MX	MY
STORY9	COMB6	Bottom	2769533.6	85558.99	-23654.01	-1993228.7	42707231	-51848204
STORY9	COMB7	Top	2600172.3	-25667.7	-78846.69	-1204277.3	39955533	-49101618
STORY9	COMB7	Bottom	2769533.6	-25667.7	-78846.69	-1204277.3	43005616	-52449522
STORY9	COMB8	Top	2600172.3	-25667.7	78846.69	2102595.9	39670701	-49101618
STORY9	COMB8	Bottom	2769533.6	-25667.7	78846.69	2102595.9	42153087	-52449522
STORY9	COMB9	Top	2600172.3	25667.7	78846.69	1204277.3	39670701	-49008894
STORY9	COMB9	Bottom	2769533.6	25667.7	78846.69	1204277.3	42153087	-52171991
STORY9	COMB10	Top	2600172.3	25667.7	-78846.69	-2102595.9	39955533	-49008894
STORY9	COMB10	Bottom	2769533.6	25667.7	-78846.69	-2102595.9	43005616	-52171991
STORY9	COMB11	Top	1758054.2	-85558.99	-23654.01	1001166.7	26830413	-33288683
STORY9	COMB11	Bottom	1885075.2	-85558.99	-23654.01	1001166.7	28990243	-36038320
STORY9	COMB12	Top	1758054.2	-85558.99	23654.01	1993228.7	26744963	-33288683
STORY9	COMB12	Bottom	1885075.2	-85558.99	23654.01	1993228.7	28734484	-36038320
STORY9	COMB13	Top	1758054.2	85558.99	23654.01	-1001166.7	26744963	-32979602
STORY9	COMB13	Bottom	1885075.2	85558.99	23654.01	-1001166.7	28734484	-35113215
STORY9	COMB14	Top	1758054.2	85558.99	-23654.01	-1993228.7	26830413	-32979602
STORY9	COMB14	Bottom	1885075.2	85558.99	-23654.01	-1993228.7	28990243	-35113215
STORY9	COMB15	Top	1758054.2	-25667.7	-78846.69	-1204277.3	26930104	-33180504
STORY9	COMB15	Bottom	1885075.2	-25667.7	-78846.69	-1204277.3	29288628	-35714533
STORY9	COMB16	Top	1758054.2	-25667.7	78846.69	2102595.9	26645272	-33180504
STORY9	COMB16	Bottom	1885075.2	-25667.7	78846.69	2102595.9	28436099	-35714533
STORY9	COMB17	Top	1758054.2	25667.7	78846.69	1204277.3	26645272	-33087780
STORY9	COMB17	Bottom	1885075.2	25667.7	78846.69	1204277.3	28436099	-35437002
STORY9	COMB18	Top	1758054.2	25667.7	-78846.69	-2102595.9	26930104	-33087780
STORY9	COMB18	Bottom	1885075.2	25667.7	-78846.69	-2102595.9	29288628	-35437002
STORY8	COMB1	Top	4200920.6	0	0	0	64118242	-79212040
STORY8	COMB1	Bottom	4436066.9	0	0	0	67958964	-83732074
STORY8	COMB2	Top	4830069.1	0	0	0	74620253	-91302755
STORY8	COMB2	Bottom	5031623	0	0	0	77912300	-95177069
STORY8	COMB3	Top	3984939.1	-124052.37	-34296.05	1452044.2	61230672	-75673187
STORY8	COMB3	Bottom	4186493	-124052.37	-34296.05	1452044.2	64646185	-79994090
STORY8	COMB4	Top	3984939.1	-124052.37	34296.05	2890635.7	60974914	-75673187
STORY8	COMB4	Bottom	4186493	-124052.37	34296.05	2890635.7	64143495	-79994090
STORY8	COMB5	Top	3984939.1	124052.37	34296.05	-1452044.2	60974914	-74748082
STORY8	COMB5	Bottom	4186493	124052.37	34296.05	-1452044.2	64143495	-78175808
STORY8	COMB6	Top	3984939.1	124052.37	-34296.05	-2890635.7	61230672	-74748082
STORY8	COMB6	Bottom	4186493	124052.37	-34296.05	-2890635.7	64646185	-78175808
STORY8	COMB7	Top	3984939.1	-37215.71	-114320.18	-1746250.5	61529057	-75349400
STORY8	COMB7	Bottom	4186493	-37215.71	-114320.18	-1746250.5	65232657	-79357691
STORY8	COMB8	Top	3984939.1	-37215.71	114320.18	3049054.5	60676529	-75349400
STORY8	COMB8	Bottom	4186493	-37215.71	114320.18	3049054.5	63557023	-79357691
STORY8	COMB9	Top	3984939.1	37215.71	114320.18	1746250.5	60676529	-75071869
STORY8	COMB9	Bottom	4186493	37215.71	114320.18	1746250.5	63557023	-78812207
STORY8	COMB10	Top	3984939.1	37215.71	-114320.18	-3049054.5	61529057	-75071869
STORY8	COMB10	Bottom	4186493	37215.71	-114320.18	-3049054.5	65232657	-78812207
STORY8	COMB11	Top	2700591.8	-124052.37	-34296.05	1452044.2	41346749	-51384579
STORY8	COMB11	Bottom	2851757.3	-124052.37	-34296.05	1452044.2	43939250	-54736903

**Tabel L.4.1 Story Shear Pada Desain Gedung SNI 03-1726-2002 (Lanjutan)**

Story	Load	Loc	P	VX	VY	T	MX	MY
STORY8	COMB12	Top	2700591.8	-124052.37	34296.05	2890635.7	41090990	-51384579
STORY8	COMB12	Bottom	2851757.3	-124052.37	34296.05	2890635.7	43436560	-54736903
STORY8	COMB13	Top	2700591.8	124052.37	34296.05	-1452044.2	41090990	-50459473
STORY8	COMB13	Bottom	2851757.3	124052.37	34296.05	-1452044.2	43436560	-52918621
STORY8	COMB14	Top	2700591.8	124052.37	-34296.05	-2890635.7	41346749	-50459473
STORY8	COMB14	Bottom	2851757.3	124052.37	-34296.05	-2890635.7	43939250	-52918621
STORY8	COMB15	Top	2700591.8	-37215.71	-114320.18	-1746250.5	41645134	-51060792
STORY8	COMB15	Bottom	2851757.3	-37215.71	-114320.18	-1746250.5	44525722	-54100504
STORY8	COMB16	Top	2700591.8	-37215.71	114320.18	3049054.5	40792605	-51060792
STORY8	COMB16	Bottom	2851757.3	-37215.71	114320.18	3049054.5	42850088	-54100504
STORY8	COMB17	Top	2700591.8	37215.71	114320.18	1746250.5	40792605	-50783260
STORY8	COMB17	Bottom	2851757.3	37215.71	114320.18	1746250.5	42850088	-53555019
STORY8	COMB18	Top	2700591.8	37215.71	-114320.18	-3049054.5	41645134	-50783260
STORY8	COMB18	Bottom	2851757.3	37215.71	-114320.18	-3049054.5	44525722	-53555019
STORY7	COMB1	Top	5704648.3	0	0	0	87180195	-107604031
STORY7	COMB1	Bottom	5939794.6	0	0	0	91020917	-112124065
STORY7	COMB2	Top	6528738.6	0	0	0	100941562	-123440987
STORY7	COMB2	Bottom	6730292.5	0	0	0	104233609	-127315301
STORY7	COMB3	Top	5401898.6	-158385.85	-43788.04	1854300.6	83169627	-102893968
STORY7	COMB3	Bottom	5603452.5	-158385.85	-43788.04	1854300.6	86619311	-107338471
STORY7	COMB4	Top	5401898.6	-158385.85	43788.04	3691211.8	82666937	-102893968
STORY7	COMB4	Bottom	5603452.5	-158385.85	43788.04	3691211.8	85801347	-107338471
STORY7	COMB5	Top	5401898.6	158385.85	43788.04	-1854300.6	82666937	-101075686
STORY7	COMB5	Bottom	5603452.5	158385.85	43788.04	-1854300.6	85801347	-104379811
STORY7	COMB6	Top	5401898.6	158385.85	-43788.04	-3691211.8	83169627	-101075686
STORY7	COMB6	Bottom	5603452.5	158385.85	-43788.04	-3691211.8	86619311	-104379811
STORY7	COMB7	Top	5401898.6	-47515.76	-145960.12	-2229691.6	83756099	-102257569
STORY7	COMB7	Bottom	5603452.5	-47515.76	-145960.12	-2229691.6	87573602	-106302940
STORY7	COMB8	Top	5401898.6	-47515.75	145960.12	3893345.4	82080465	-102257569
STORY7	COMB8	Bottom	5603452.5	-47515.75	145960.12	3893345.4	84847056	-106302940
STORY7	COMB9	Top	5401898.6	47515.76	145960.12	2229691.6	82080465	-101712085
STORY7	COMB9	Bottom	5603452.5	47515.76	145960.12	2229691.6	84847056	-105415342
STORY7	COMB10	Top	5401898.6	47515.75	-145960.12	-3893345.4	83756099	-101712085
STORY7	COMB10	Bottom	5603452.5	47515.75	-145960.12	-3893345.4	87573602	-105415342
STORY7	COMB11	Top	3667273.9	-158385.85	-43788.04	1854300.6	56295756	-70083161
STORY7	COMB11	Bottom	3818439.4	-158385.85	-43788.04	1854300.6	58922429	-73559086
STORY7	COMB12	Top	3667273.9	-158385.85	43788.04	3691211.8	55793066	-70083161
STORY7	COMB12	Bottom	3818439.4	-158385.85	43788.04	3691211.8	58104465	-73559086
STORY7	COMB13	Top	3667273.9	158385.85	43788.04	-1854300.6	55793066	-68264879
STORY7	COMB13	Bottom	3818439.4	158385.85	43788.04	-1854300.6	58104465	-70600426
STORY7	COMB14	Top	3667273.9	158385.85	-43788.04	-3691211.8	56295756	-68264879
STORY7	COMB14	Bottom	3818439.4	158385.85	-43788.04	-3691211.8	58922429	-70600426
STORY7	COMB15	Top	3667273.9	-47515.76	-145960.12	-2229691.6	56882228	-69446763
STORY7	COMB15	Bottom	3818439.4	-47515.76	-145960.12	-2229691.6	59876720	-72523555
STORY7	COMB16	Top	3667273.9	-47515.75	145960.12	3893345.4	55206594	-69446763
STORY7	COMB16	Bottom	3818439.4	-47515.75	145960.12	3893345.4	57150173	-72523555
STORY7	COMB17	Top	3667273.9	47515.76	145960.12	2229691.6	55206594	-68901278

**Tabel L.4.1 Story Shear Pada Desain Gedung SNI 03-1726-2002 (Lanjutan)**

Story	Load	Loc	P	VX	VY	T	MX	MY
STORY7	COMB17	Bottom	3818439.4	47515.76	145960.12	2229691.6	57150173	-71635957
STORY7	COMB18	Top	3667273.9	47515.75	-145960.12	-3893345.4	56882228	-68901278
STORY7	COMB18	Bottom	3818439.4	47515.75	-145960.12	-3893345.4	59876720	-71635957
STORY6	COMB1	Top	7208376	0	0	0	110242149	-135996022
STORY6	COMB1	Bottom	7443522.2	0	0	0	114082871	-140516056
STORY6	COMB2	Top	8227408	0	0	0	127262870	-155579219
STORY6	COMB2	Bottom	8428961.9	0	0	0	130554918	-159453533
STORY6	COMB3	Top	6818858	-187891.18	-51945.21	2199989.7	105142752	-130238349
STORY6	COMB3	Bottom	7020411.9	-187891.18	-51945.21	2199989.7	108621803	-134789072
STORY6	COMB4	Top	6818858	-187891.18	51945.21	4379206.7	104324788	-130238349
STORY6	COMB4	Bottom	7020411.9	-187891.18	51945.21	4379206.7	107429833	-134789072
STORY6	COMB5	Top	6818858	187891.18	51945.21	-2199989.7	104324788	-127279689
STORY6	COMB5	Bottom	7020411.9	187891.18	51945.21	-2199989.7	107429833	-130477595
STORY6	COMB6	Top	6818858	187891.18	-51945.21	-4379206.7	105142752	-127279689
STORY6	COMB6	Bottom	7020411.9	187891.18	-51945.21	-4379206.7	108621803	-130477595
STORY6	COMB7	Top	6818858	-56367.35	-173150.69	-2645148.8	106097044	-129202818
STORY6	COMB7	Bottom	7020411.9	-56367.35	-173150.69	-2645148.8	110012434	-133280055
STORY6	COMB8	Top	6818858	-56367.35	173150.69	4618907.7	103370497	-129202818
STORY6	COMB8	Bottom	7020411.9	-56367.35	173150.69	4618907.7	106039202	-133280055
STORY6	COMB9	Top	6818858	56367.35	173150.69	2645148.8	103370497	-128315220
STORY6	COMB9	Bottom	7020411.9	56367.35	173150.69	2645148.8	106039202	-131986612
STORY6	COMB10	Top	6818858	56367.35	-173150.69	-4618907.7	106097044	-128315220
STORY6	COMB10	Bottom	7020411.9	56367.35	-173150.69	-4618907.7	110012434	-131986612
STORY6	COMB11	Top	4633956	-187891.18	-51945.21	2199989.7	71278935	-88905345
STORY6	COMB11	Bottom	4785121.4	-187891.18	-51945.21	2199989.7	73934973	-92487489
STORY6	COMB12	Top	4633956	-187891.18	51945.21	4379206.7	70460971	-88905345
STORY6	COMB12	Bottom	4785121.4	-187891.18	51945.21	4379206.7	72743004	-92487489
STORY6	COMB13	Top	4633956	187891.18	51945.21	-2199989.7	70460971	-85946684
STORY6	COMB13	Bottom	4785121.4	187891.18	51945.21	-2199989.7	72743004	-88176012
STORY6	COMB14	Top	4633956	187891.18	-51945.21	-4379206.7	71278935	-85946684
STORY6	COMB14	Bottom	4785121.4	187891.18	-51945.21	-4379206.7	73934973	-88176012
STORY6	COMB15	Top	4633956	-56367.35	-173150.69	-2645148.8	72233226	-87869814
STORY6	COMB15	Bottom	4785121.4	-56367.35	-173150.69	-2645148.8	75325604	-90978472
STORY6	COMB16	Top	4633956	-56367.35	173150.69	4618907.7	69506679	-87869814
STORY6	COMB16	Bottom	4785121.4	-56367.35	173150.69	4618907.7	71352372	-90978472
STORY6	COMB17	Top	4633956	56367.35	173150.69	2645148.8	69506679	-86982215
STORY6	COMB17	Bottom	4785121.4	56367.35	173150.69	2645148.8	71352372	-89685029
STORY6	COMB18	Top	4633956	56367.35	-173150.69	-4618907.7	72233226	-86982215
STORY6	COMB18	Bottom	4785121.4	56367.35	-173150.69	-4618907.7	75325604	-89685029
STORY5	COMB1	Top	8712103.7	0	0	0	133304102	-164388013
STORY5	COMB1	Bottom	8988073.9	0	0	0	137811616	-169692775
STORY5	COMB2	Top	9926077.4	0	0	0	153584179	-187717452
STORY5	COMB2	Bottom	10162623	0	0	0	157447763	-192264390
STORY5	COMB3	Top	8235817.4	-212946.05	-58871.99	2493599.6	127145244	-157688950
STORY5	COMB3	Bottom	8472363.4	-212946.05	-58871.99	2493599.6	131220766	-163002494
STORY5	COMB4	Top	8235817.4	-212946.05	58871.98	4963518.4	125953274	-157688950
STORY5	COMB4	Bottom	8472363.4	-212946.05	58871.98	4963518.4	129604919	-163002494



**Tabel L.4.1 Story Shear Pada Desain Gedung SNI 03-1726-2002 (Lanjutan)**

Story	Load	Loc	P	VX	VY	T	MX	MY
STORY5	COMB5	Top	8235817.4	212946.05	58871.99	-2493599.6	125953274	-153377473
STORY5	COMB5	Bottom	8472363.4	212946.05	58871.99	-2493599.6	129604919	-157157806
STORY5	COMB6	Top	8235817.4	212946.05	-58871.98	-4963518.4	127145244	-153377473
STORY5	COMB6	Bottom	8472363.4	212946.05	-58871.98	-4963518.4	131220766	-157157806
STORY5	COMB7	Top	8235817.4	-63883.82	-196239.95	-2997963.6	128535875	-156179933
STORY5	COMB7	Bottom	8472363.4	-63883.82	-196239.95	-2997963.6	133105922	-160956853
STORY5	COMB8	Top	8235817.4	-63883.81	196239.95	5235099	124562643	-156179933
STORY5	COMB8	Bottom	8472363.4	-63883.81	196239.95	5235099	127719763	-160956853
STORY5	COMB9	Top	8235817.4	63883.82	196239.95	2997963.6	124562643	-154886490
STORY5	COMB9	Bottom	8472363.4	63883.82	196239.95	2997963.6	127719763	-159203447
STORY5	COMB10	Top	8235817.4	63883.81	-196239.95	-5235099	128535875	-154886490
STORY5	COMB10	Bottom	8472363.4	63883.81	-196239.95	-5235099	133105922	-159203447
STORY5	COMB11	Top	5600638.1	-212946.05	-58871.99	2493599.6	86291479	-107833747
STORY5	COMB11	Bottom	5778047.5	-212946.05	-58871.99	2493599.6	89401106	-112010557
STORY5	COMB12	Top	5600638.1	-212946.05	58871.98	4963518.4	85099510	-107833747
STORY5	COMB12	Bottom	5778047.5	-212946.05	58871.98	4963518.4	87785258	-112010557
STORY5	COMB13	Top	5600638.1	212946.05	58871.99	-2493599.6	85099510	-103522270
STORY5	COMB13	Bottom	5778047.5	212946.05	58871.99	-2493599.6	87785258	-106165868
STORY5	COMB14	Top	5600638.1	212946.05	-58871.98	-4963518.4	86291479	-103522270
STORY5	COMB14	Bottom	5778047.5	212946.05	-58871.98	-4963518.4	89401106	-106165868
STORY5	COMB15	Top	5600638.1	-63883.82	-196239.95	-2997963.6	87682110	-106324730
STORY5	COMB15	Bottom	5778047.5	-63883.82	-196239.95	-2997963.6	91286262	-109964916
STORY5	COMB16	Top	5600638.1	-63883.81	196239.95	5235099	83708879	-106324730
STORY5	COMB16	Bottom	5778047.5	-63883.81	196239.95	5235099	85900102	-109964916
STORY5	COMB17	Top	5600638.1	63883.82	196239.95	2997963.6	83708879	-105031287
STORY5	COMB17	Bottom	5778047.5	63883.82	196239.95	2997963.6	85900102	-108211509
STORY5	COMB18	Top	5600638.1	63883.81	-196239.95	-5235099	87682110	-105031287
STORY5	COMB18	Bottom	5778047.5	63883.81	-196239.95	-5235099	91286262	-108211509
STORY4	COMB1	Top	10256655	0	0	0	157032848	-193564733
STORY4	COMB1	Bottom	10532626	0	0	0	161540362	-198869494
STORY4	COMB2	Top	11659739	0	0	0	180477024	-220528308
STORY4	COMB2	Bottom	11896285	0	0	0	184340607	-225075246
STORY4	COMB3	Top	9687768.9	-233467.03	-64545.3	2734142	149744208	-185902372
STORY4	COMB3	Bottom	9924314.8	-233467.03	-64545.3	2734142	153840154	-191289792
STORY4	COMB4	Top	9687768.9	-233467.03	64545.3	5442185.4	148128360	-185902372
STORY4	COMB4	Bottom	9924314.8	-233467.03	64545.3	5442185.4	151759580	-191289792
STORY4	COMB5	Top	9687768.9	233467.03	64545.3	-2734142	148128360	-180057684
STORY4	COMB5	Bottom	9924314.8	233467.03	64545.3	-2734142	151759580	-183764141
STORY4	COMB6	Top	9687768.9	233467.03	-64545.3	-5442185.4	149744208	-180057684
STORY4	COMB6	Bottom	9924314.8	233467.03	-64545.3	-5442185.4	153840154	-183764141
STORY4	COMB7	Top	9687768.9	-70040.11	-215151.01	-3286956.5	151629364	-183856731
STORY4	COMB7	Bottom	9924314.8	-70040.11	-215151.01	-3286956.5	156267491	-188655814
STORY4	COMB8	Top	9687768.9	-70040.11	215151.01	5739854.8	146243204	-183856731
STORY4	COMB8	Bottom	9924314.8	-70040.11	215151.01	5739854.8	149332244	-188655814
STORY4	COMB9	Top	9687768.9	70040.11	215151.01	3286956.5	146243204	-182103325
STORY4	COMB9	Bottom	9924314.8	70040.11	215151.01	3286956.5	149332244	-186398118
STORY4	COMB10	Top	9687768.9	70040.11	-215151.01	-5739854.8	151629364	-182103325

**Tabel L.4.1 Story Shear Pada Desain Gedung SNI 03-1726-2002 (Lanjutan)**

Story	Load	Loc	P	VX	VY	T	MX	MY
STORY4	COMB10	Bottom	9924314.8	70040.11	-215151.01	-5739854.8	156267491	-186398118
STORY4	COMB11	Top	6593564.2	-233467.03	-64545.3	2734142	101757612	-127356815
STORY4	COMB11	Bottom	6770973.6	-233467.03	-64545.3	2734142	104887663	-131607500
STORY4	COMB12	Top	6593564.2	-233467.03	64545.3	5442185.4	100141764	-127356815
STORY4	COMB12	Bottom	6770973.6	-233467.03	64545.3	5442185.4	102807089	-131607500
STORY4	COMB13	Top	6593564.2	233467.03	64545.3	-2734142	100141764	-121512127
STORY4	COMB13	Bottom	6770973.6	233467.03	64545.3	-2734142	102807089	-124081849
STORY4	COMB14	Top	6593564.2	233467.03	-64545.3	-5442185.4	101757612	-121512127
STORY4	COMB14	Bottom	6770973.6	233467.03	-64545.3	-5442185.4	104887663	-124081849
STORY4	COMB15	Top	6593564.2	-70040.11	-215151.01	-3286956.5	103642768	-125311174
STORY4	COMB15	Bottom	6770973.6	-70040.11	-215151.01	-3286956.5	107314999	-128973522
STORY4	COMB16	Top	6593564.2	-70040.11	215151.01	5739854.8	98256608	-125311174
STORY4	COMB16	Bottom	6770973.6	-70040.11	215151.01	5739854.8	100379752	-128973522
STORY4	COMB17	Top	6593564.2	70040.11	215151.01	3286956.5	98256608	-123557768
STORY4	COMB17	Bottom	6770973.6	70040.11	215151.01	3286956.5	100379752	-126715827
STORY4	COMB18	Top	6593564.2	70040.11	-215151.01	-5739854.8	103642768	-123557768
STORY4	COMB18	Bottom	6770973.6	70040.11	-215151.01	-5739854.8	107314999	-126715827
STORY3	COMB1	Top	11801207	0	0	0	180761594	-222741452
STORY3	COMB1	Bottom	12077177	0	0	0	185269108	-228046213
STORY3	COMB2	Top	13393400	0	0	0	207369869	-253339164
STORY3	COMB2	Bottom	13629946	0	0	0	211233452	-257886102
STORY3	COMB3	Top	11139720	-248996.42	-68838.62	2916174.1	172363596	-214189670
STORY3	COMB3	Bottom	11376266	-248996.42	-68838.62	2916174.1	176474998	-219632995
STORY3	COMB4	Top	11139720	-248996.42	68838.62	5804419.8	170283022	-214189670
STORY3	COMB4	Bottom	11376266	-248996.42	68838.62	5804419.8	173898786	-219632995
STORY3	COMB5	Top	11139720	248996.42	68838.62	-2916174.1	170283022	-206664019
STORY3	COMB5	Bottom	11376266	248996.42	68838.62	-2916174.1	173898786	-210314570
STORY3	COMB6	Top	11139720	248996.42	-68838.62	-5804419.8	172363596	-206664019
STORY3	COMB6	Bottom	11376266	248996.42	-68838.62	-5804419.8	176474998	-210314570
STORY3	COMB7	Top	11139720	-74698.93	-229462.08	-3505653.9	174790932	-211555692
STORY3	COMB7	Bottom	11376266	-74698.93	-229462.08	-3505653.9	179480579	-216371546
STORY3	COMB8	Top	11139720	-74698.93	229462.08	6121832	167855686	-211555692
STORY3	COMB8	Bottom	11376266	-74698.93	229462.08	6121832	170893205	-216371546
STORY3	COMB9	Top	11139720	74698.93	229462.08	3505653.9	167855686	-209297997
STORY3	COMB9	Bottom	11376266	74698.93	229462.08	3505653.9	170893205	-213576019
STORY3	COMB10	Top	11139720	74698.93	-229462.08	-6121832	174790932	-209297997
STORY3	COMB10	Bottom	11376266	74698.93	-229462.08	-6121832	179480579	-213576019
STORY3	COMB11	Top	7586490.2	-248996.42	-68838.62	2916174.1	117244169	-146953759
STORY3	COMB11	Bottom	7763899.7	-248996.42	-68838.62	2916174.1	120389675	-151260349
STORY3	COMB12	Top	7586490.2	-248996.42	68838.62	5804419.8	115163595	-146953759
STORY3	COMB12	Bottom	7763899.7	-248996.42	68838.62	5804419.8	117813463	-151260349
STORY3	COMB13	Top	7586490.2	248996.42	68838.62	-2916174.1	115163595	-139428108
STORY3	COMB13	Bottom	7763899.7	248996.42	68838.62	-2916174.1	117813463	-141941924
STORY3	COMB14	Top	7586490.2	248996.42	-68838.62	-5804419.8	117244169	-139428108
STORY3	COMB14	Bottom	7763899.7	248996.42	-68838.62	-5804419.8	120389675	-141941924
STORY3	COMB15	Top	7586490.2	-74698.93	-229462.08	-3505653.9	119671505	-144319781
STORY3	COMB15	Bottom	7763899.7	-74698.93	-229462.08	-3505653.9	123395256	-147998901

**Tabel L.4.1 Story Shear Pada Desain Gedung SNI 03-1726-2002 (Lanjutan)**

Story	Load	Loc	P	VX	VY	T	MX	MY
STORY3	COMB16	Top	7586490.2	-74698.93	229462.08	6121832	112736258	-144319781
STORY3	COMB16	Bottom	7763899.7	-74698.93	229462.08	6121832	114807882	-147998901
STORY3	COMB17	Top	7586490.2	74698.93	229462.08	3505653.9	112736258	-142062086
STORY3	COMB17	Bottom	7763899.7	74698.93	229462.08	3505653.9	114807882	-145203373
STORY3	COMB18	Top	7586490.2	74698.93	-229462.08	-6121832	119671505	-142062086
STORY3	COMB18	Bottom	7763899.7	74698.93	-229462.08	-6121832	123395256	-145203373
STORY2	COMB1	Top	13345759	0	0	0	204490339	-251918171
STORY2	COMB1	Bottom	13665819	0	0	0	209717988	-258070438
STORY2	COMB2	Top	15127062	0	0	0	234262714	-286150021
STORY2	COMB2	Bottom	15401399	0	0	0	238743556	-291423393
STORY2	COMB3	Top	12591672	-259705.34	-71799.26	3041729.4	194998440	-242532873
STORY2	COMB3	Bottom	12866009	-259705.34	-71799.26	3041729.4	199737759	-248741185
STORY2	COMB4	Top	12591672	-259705.34	71799.26	6054253.4	192422228	-242532873
STORY2	COMB4	Bottom	12866009	-259705.34	71799.26	6054253.4	196644592	-248741185
STORY2	COMB5	Top	12591672	259705.34	71799.26	-3041729.4	192422228	-233214448
STORY2	COMB5	Bottom	12866009	259705.34	71799.26	-3041729.4	196644592	-237552881
STORY2	COMB6	Top	12591672	259705.34	-71799.26	-6054253.4	194998440	-233214448
STORY2	COMB6	Bottom	12866009	259705.34	-71799.26	-6054253.4	199737759	-237552881
STORY2	COMB7	Top	12591672	-77911.6	-239330.86	-3656475.8	198004020	-239271424
STORY2	COMB7	Bottom	12866009	-77911.6	-239330.86	-3656475.8	203346454	-244825278
STORY2	COMB8	Top	12591672	-77911.6	239330.86	6385270.6	189416647	-239271424
STORY2	COMB8	Bottom	12866009	-77911.6	239330.86	6385270.6	193035898	-244825278
STORY2	COMB9	Top	12591672	77911.6	239330.86	3656475.8	189416647	-236475897
STORY2	COMB9	Bottom	12866009	77911.6	239330.86	3656475.8	193035898	-241468787
STORY2	COMB10	Top	12591672	77911.6	-239330.86	-6385270.6	198004020	-236475897
STORY2	COMB10	Bottom	12866009	77911.6	-239330.86	-6385270.6	203346454	-241468787
STORY2	COMB11	Top	8579416.3	-259705.34	-71799.26	3041729.4	132746181	-166606608
STORY2	COMB11	Bottom	8785169.3	-259705.34	-71799.26	3041729.4	136365290	-171496576
STORY2	COMB12	Top	8579416.3	-259705.34	71799.26	6054253.4	130169969	-166606608
STORY2	COMB12	Bottom	8785169.3	-259705.34	71799.26	6054253.4	133272124	-171496576
STORY2	COMB13	Top	8579416.3	259705.34	71799.26	-3041729.4	130169969	-157288183
STORY2	COMB13	Bottom	8785169.3	259705.34	71799.26	-3041729.4	133272124	-160308273
STORY2	COMB14	Top	8579416.3	259705.34	-71799.26	-6054253.4	132746181	-157288183
STORY2	COMB14	Bottom	8785169.3	259705.34	-71799.26	-6054253.4	136365290	-160308273
STORY2	COMB15	Top	8579416.3	-77911.6	-239330.86	-3656475.8	135751762	-163345159
STORY2	COMB15	Bottom	8785169.3	-77911.6	-239330.86	-3656475.8	139973985	-167580670
STORY2	COMB16	Top	8579416.3	-77911.6	239330.86	6385270.6	127164388	-163345159
STORY2	COMB16	Bottom	8785169.3	-77911.6	239330.86	6385270.6	129663429	-167580670
STORY2	COMB17	Top	8579416.3	77911.6	239330.86	3656475.8	127164388	-160549632
STORY2	COMB17	Bottom	8785169.3	77911.6	239330.86	3656475.8	129663429	-164224179
STORY2	COMB18	Top	8579416.3	77911.6	-239330.86	-6385270.6	135751762	-160549632
STORY2	COMB18	Bottom	8785169.3	77911.6	-239330.86	-6385270.6	139973985	-164224179
STORY1	COMB1	Top	14934400	0	0	0	228939220	-281942396
STORY1	COMB1	Bottom	15290023	0	0	0	234747719	-288778249
STORY1	COMB2	Top	16898515	0	0	0	261772817	-319687311
STORY1	COMB2	Bottom	17203334	0	0	0	266751531	-325546613
STORY1	COMB3	Top	14081415	-265535.75	-73411.16	3110119.8	218261201	-271641063

**Tabel L.4.1 Story Shear Pada Desain Gedung SNI 03-1726-2002 (Lanjutan)**

Story	Load	Loc	P	VX	VY	T	MX	MY
STORY1	COMB3	Bottom	14386234	-265535.75	-73411.16	3110119.8	223533559	-278562508
STORY1	COMB4	Top	14081415	-265535.75	73411.16	6190320.5	215168034	-271641063
STORY1	COMB4	Bottom	14386234	-265535.75	73411.16	6190320.5	219853103	-278562508
STORY1	COMB5	Top	14081415	265535.75	73411.16	-3110119.8	215168034	-260452759
STORY1	COMB5	Bottom	14386234	265535.75	73411.16	-3110119.8	219853103	-265249918
STORY1	COMB6	Top	14081415	265535.75	-73411.16	-6190320.5	218261201	-260452759
STORY1	COMB6	Bottom	14386234	265535.75	-73411.16	-6190320.5	223533559	-265249918
STORY1	COMB7	Top	14081415	-79660.73	-244703.86	-3738601.7	221869895	-267725156
STORY1	COMB7	Bottom	14386234	-79660.73	-244703.86	-3738601.7	227827424	-273903102
STORY1	COMB8	Top	14081415	-79660.72	244703.86	6528733.8	211559339	-267725156
STORY1	COMB8	Bottom	14386234	-79660.72	244703.86	6528733.8	215559238	-273903102
STORY1	COMB9	Top	14081415	79660.73	244703.86	3738601.7	211559339	-264368665
STORY1	COMB9	Bottom	14386234	79660.73	244703.86	3738601.7	215559238	-269909325
STORY1	COMB10	Top	14081415	79660.72	-244703.86	-6528733.8	221869895	-264368665
STORY1	COMB10	Bottom	14386234	79660.72	-244703.86	-6528733.8	227827424	-269909325
STORY1	COMB11	Top	9600685.9	-265535.75	-73411.16	3110119.8	148721796	-186842835
STORY1	COMB11	Bottom	9829300.3	-265535.75	-73411.16	3110119.8	152749476	-192299455
STORY1	COMB12	Top	9600685.9	-265535.75	73411.16	6190320.5	145628630	-186842835
STORY1	COMB12	Bottom	9829300.3	-265535.75	73411.16	6190320.5	149069020	-192299455
STORY1	COMB13	Top	9600685.9	265535.75	73411.16	-3110119.8	145628630	-175654531
STORY1	COMB13	Bottom	9829300.3	265535.75	73411.16	-3110119.8	149069020	-178986865
STORY1	COMB14	Top	9600685.9	265535.75	-73411.16	-6190320.5	148721796	-175654531
STORY1	COMB14	Bottom	9829300.3	265535.75	-73411.16	-6190320.5	152749476	-178986865
STORY1	COMB15	Top	9600685.9	-79660.73	-244703.86	-3738601.7	152330491	-182926929
STORY1	COMB15	Bottom	9829300.3	-79660.73	-244703.86	-3738601.7	157043341	-187640048
STORY1	COMB16	Top	9600685.9	-79660.72	244703.86	6528733.8	142019935	-182926929
STORY1	COMB16	Bottom	9829300.3	-79660.72	244703.86	6528733.8	144775155	-187640048
STORY1	COMB17	Top	9600685.9	79660.73	244703.86	3738601.7	142019935	-179570438
STORY1	COMB17	Bottom	9829300.3	79660.73	244703.86	3738601.7	144775155	-183646271
STORY1	COMB18	Top	9600685.9	79660.72	-244703.86	-6528733.8	152330491	-179570438
STORY1	COMB18	Bottom	9829300.3	79660.72	-244703.86	-6528733.8	157043341	-183646271

**Tabel L.4.2 Story Shear Pada Desain Gedung FEMA 450**

Story	Load	Loc	P	VX	VY	T	MX	MY
STORY10	COMB1	Top	1344080.6	0	0	0	20068355	-24596962
STORY10	COMB1	Bottom	1541668.8	0	0	0	23295628	-28395045
STORY10	COMB2	Top	1561829.1	0	0	0	23755367	-28885350
STORY10	COMB2	Bottom	1731190.4	0	0	0	26521601	-32140850
STORY10	COMB3	Top	1280119.1	-42952.27	-11873.51	503461.64	19249547	-23521310
STORY10	COMB3	Bottom	1449480.4	-42952.27	-11873.51	503461.64	22058526	-26931438
STORY10	COMB4	Top	1280119.1	-42952.27	11873.51	1006233.5	19249547	-23521310
STORY10	COMB4	Bottom	1449480.4	-42952.27	11873.51	1006233.5	21973037	-26931438
STORY10	COMB5	Top	1280119.1	42952.27	11873.51	-503461.64	19249547	-23521310
STORY10	COMB5	Bottom	1449480.4	42952.27	11873.51	-503461.64	21973037	-26622182
STORY10	COMB6	Top	1280119.1	42952.27	-11873.51	-1006233.5	19249547	-23521310
STORY10	COMB6	Bottom	1449480.4	42952.27	-11873.51	-1006233.5	22058526	-26622182
STORY10	COMB7	Top	1280119.1	-12885.68	-39578.38	-611498.82	19249547	-23521310
STORY10	COMB7	Bottom	1449480.4	-12885.68	-39578.38	-611498.82	22158263	-26823199
STORY10	COMB8	Top	1280119.1	-12885.68	39578.38	1064407.4	19249547	-23521310
STORY10	COMB8	Bottom	1449480.4	-12885.68	39578.38	1064407.4	21873299	-26823199
STORY10	COMB9	Top	1280119.1	12885.68	39578.38	611498.82	19249547	-23521310
STORY10	COMB9	Bottom	1449480.4	12885.68	39578.38	611498.82	21873299	-26730422
STORY10	COMB10	Top	1280119.1	12885.68	-39578.38	-1064407.4	19249547	-23521310
STORY10	COMB10	Bottom	1449480.4	12885.68	-39578.38	-1064407.4	22158263	-26730422
STORY10	COMB11	Top	864051.84	-42952.27	-11873.51	503461.64	12901085	-15812333
STORY10	COMB11	Bottom	991072.8	-42952.27	-11873.51	503461.64	15018506	-18408586
STORY10	COMB12	Top	864051.84	-42952.27	11873.51	1006233.5	12901085	-15812333
STORY10	COMB12	Bottom	991072.8	-42952.27	11873.51	1006233.5	14933016	-18408586
STORY10	COMB13	Top	864051.84	42952.27	11873.51	-503461.64	12901085	-15812333
STORY10	COMB13	Bottom	991072.8	42952.27	11873.51	-503461.64	14933016	-18099330
STORY10	COMB14	Top	864051.84	42952.27	-11873.51	-1006233.5	12901085	-15812333
STORY10	COMB14	Bottom	991072.8	42952.27	-11873.51	-1006233.5	15018506	-18099330
STORY10	COMB15	Top	864051.84	-12885.68	-39578.38	-611498.82	12901085	-15812333
STORY10	COMB15	Bottom	991072.8	-12885.68	-39578.38	-611498.82	15118243	-18300346
STORY10	COMB16	Top	864051.84	-12885.68	39578.38	1064407.4	12901085	-15812333
STORY10	COMB16	Bottom	991072.8	-12885.68	39578.38	1064407.4	14833279	-18300346
STORY10	COMB17	Top	864051.84	12885.68	39578.38	611498.82	12901085	-15812333
STORY10	COMB17	Bottom	991072.8	12885.68	39578.38	611498.82	14833279	-18207569
STORY10	COMB18	Top	864051.84	12885.68	-39578.38	-1064407.4	12901085	-15812333
STORY10	COMB18	Bottom	991072.8	12885.68	-39578.38	-1064407.4	15118243	-18207569
STORY9	COMB1	Top	2885749.4	0	0	0	43363983	-52992007
STORY9	COMB1	Bottom	3083337.6	0	0	0	46591256	-56790091
STORY9	COMB2	Top	3293019.5	0	0	0	50276968	-61026200
STORY9	COMB2	Bottom	3462380.8	0	0	0	53043203	-64281701
STORY9	COMB3	Top	2729599.5	-85544.44	-23647.48	1003384.9	41308073	-50452749
STORY9	COMB3	Bottom	2898960.8	-85544.44	-23647.48	1003384.9	44159438	-54016209
STORY9	COMB4	Top	2729599.5	-85544.44	23647.48	2004604.9	41222584	-50452749
STORY9	COMB4	Bottom	2898960.8	-85544.44	23647.48	2004604.9	43903687	-54016209
STORY9	COMB5	Top	2729599.5	85544.44	23647.48	-1003384.9	41222584	-50143492
STORY9	COMB5	Bottom	2898960.8	85544.44	23647.48	-1003384.9	43903687	-53091032
STORY9	COMB6	Top	2729599.5	85544.44	-23647.48	-2004604.9	41308073	-50143492

**Tabel L.4.2 Story Shear Pada Desain Gedung FEMA 450 (Lanjutan)**

Story	Load	Loc	P	VX	VY	T	MX	MY
STORY9	COMB6	Bottom	2898960.8	85544.44	-23647.48	-2004604.9	44159438	-53091032
STORY9	COMB7	Top	2729599.5	-25663.33	-78824.94	-1217501.5	41407811	-50344509
STORY9	COMB7	Bottom	2898960.8	-25663.33	-78824.94	-1217501.5	44457815	-53692397
STORY9	COMB8	Top	2729599.5	-25663.33	78824.94	2119898.4	41122846	-50344509
STORY9	COMB8	Bottom	2898960.8	-25663.33	78824.94	2119898.4	43605311	-53692397
STORY9	COMB9	Top	2729599.5	25663.33	78824.94	1217501.5	41122846	-50251732
STORY9	COMB9	Bottom	2898960.8	25663.33	78824.94	1217501.5	43605311	-53414844
STORY9	COMB10	Top	2729599.5	25663.33	-78824.94	-2119898.4	41407811	-50251732
STORY9	COMB10	Bottom	2898960.8	25663.33	-78824.94	-2119898.4	44457815	-53414844
STORY9	COMB11	Top	1855124.6	-85544.44	-23647.48	1003384.9	27919591	-34220918
STORY9	COMB11	Bottom	1982145.6	-85544.44	-23647.48	1003384.9	30079398	-36970504
STORY9	COMB12	Top	1855124.6	-85544.44	23647.48	2004604.9	27834102	-34220918
STORY9	COMB12	Bottom	1982145.6	-85544.44	23647.48	2004604.9	29823646	-36970504
STORY9	COMB13	Top	1855124.6	85544.44	23647.48	-1003384.9	27834102	-33911662
STORY9	COMB13	Bottom	1982145.6	85544.44	23647.48	-1003384.9	29823646	-36045327
STORY9	COMB14	Top	1855124.6	85544.44	-23647.48	-2004604.9	27919591	-33911662
STORY9	COMB14	Bottom	1982145.6	85544.44	-23647.48	-2004604.9	30079398	-36045327
STORY9	COMB15	Top	1855124.6	-25663.33	-78824.94	-1217501.5	28019328	-34112679
STORY9	COMB15	Bottom	1982145.6	-25663.33	-78824.94	-1217501.5	30377774	-36646692
STORY9	COMB16	Top	1855124.6	-25663.33	78824.94	2119898.4	27734364	-34112679
STORY9	COMB16	Bottom	1982145.6	-25663.33	78824.94	2119898.4	29525270	-36646692
STORY9	COMB17	Top	1855124.6	25663.33	78824.94	1217501.5	27734364	-34019902
STORY9	COMB17	Bottom	1982145.6	25663.33	78824.94	1217501.5	29525270	-36369139
STORY9	COMB18	Top	1855124.6	25663.33	-78824.94	-2119898.4	28019328	-34019902
STORY9	COMB18	Bottom	1982145.6	25663.33	-78824.94	-2119898.4	30377774	-36369139
STORY8	COMB1	Top	4427418.2	0	0	0	66659611	-81387052
STORY8	COMB1	Bottom	4662564.5	0	0	0	70500333	-85907086
STORY8	COMB2	Top	5024209.9	0	0	0	76798570	-93167051
STORY8	COMB2	Bottom	5225763.8	0	0	0	80090617	-97041365
STORY8	COMB3	Top	4179079.9	-123988.4	-34274.74	1454684.3	63408985	-77537519
STORY8	COMB3	Bottom	4380633.8	-123988.4	-34274.74	1454684.3	66824422	-81858191
STORY8	COMB4	Top	4179079.9	-123988.4	34274.74	2905750.3	63153234	-77537519
STORY8	COMB4	Bottom	4380633.8	-123988.4	34274.74	2905750.3	66321892	-81858191
STORY8	COMB5	Top	4179079.9	123988.4	34274.74	-1454684.3	63153234	-76612342
STORY8	COMB5	Bottom	4380633.8	123988.4	34274.74	-1454684.3	66321892	-80040298
STORY8	COMB6	Top	4179079.9	123988.4	-34274.74	-2905750.3	63408985	-76612342
STORY8	COMB6	Bottom	4380633.8	123988.4	-34274.74	-2905750.3	66824422	-80040298
STORY8	COMB7	Top	4179079.9	-37196.52	-114249.13	-1764378.2	63707362	-77213707
STORY8	COMB7	Bottom	4380633.8	-37196.52	-114249.13	-1764378.2	67410706	-81221929
STORY8	COMB8	Top	4179079.9	-37196.52	114249.13	3072508.6	62854858	-77213707
STORY8	COMB8	Bottom	4380633.8	-37196.52	114249.13	3072508.6	65735608	-81221929
STORY8	COMB9	Top	4179079.9	37196.52	114249.13	1764378.2	62854858	-76936154
STORY8	COMB9	Bottom	4380633.8	37196.52	114249.13	1764378.2	65735608	-80676561
STORY8	COMB10	Top	4179079.9	37196.52	-114249.13	-3072508.6	63707362	-76936154
STORY8	COMB10	Bottom	4380633.8	37196.52	-114249.13	-3072508.6	67410706	-80676561
STORY8	COMB11	Top	2846197.4	-123988.4	-34274.74	1454684.3	42980483	-52782836
STORY8	COMB11	Bottom	2997362.9	-123988.4	-34274.74	1454684.3	45572907	-56134930

**Tabel L.4.2 Story Shear Pada Desain Gedung FEMA 450 (Lanjutan)**

Story	Load	Loc	P	VX	VY	T	MX	MY
STORY8	COMB12	Top	2846197.4	-123988.4	34274.74	2905750.3	42724732	-52782836
STORY8	COMB12	Bottom	2997362.9	-123988.4	34274.74	2905750.3	45070378	-56134930
STORY8	COMB13	Top	2846197.4	123988.4	34274.74	-1454684.3	42724732	-51857660
STORY8	COMB13	Bottom	2997362.9	123988.4	34274.74	-1454684.3	45070378	-54317037
STORY8	COMB14	Top	2846197.4	123988.4	-34274.74	-2905750.3	42980483	-51857660
STORY8	COMB14	Bottom	2997362.9	123988.4	-34274.74	-2905750.3	45572907	-54317037
STORY8	COMB15	Top	2846197.4	-37196.52	-114249.13	-1764378.2	43278859	-52459024
STORY8	COMB15	Bottom	2997362.9	-37196.52	-114249.13	-1764378.2	46159192	-55498668
STORY8	COMB16	Top	2846197.4	-37196.52	114249.13	3072508.6	42426355	-52459024
STORY8	COMB16	Bottom	2997362.9	-37196.52	114249.13	3072508.6	44484094	-55498668
STORY8	COMB17	Top	2846197.4	37196.52	114249.13	1764378.2	42426355	-52181472
STORY8	COMB17	Bottom	2997362.9	37196.52	114249.13	1764378.2	44484094	-54953300
STORY8	COMB18	Top	2846197.4	37196.52	-114249.13	-3072508.6	43278859	-52181472
STORY8	COMB18	Bottom	2997362.9	37196.52	-114249.13	-3072508.6	46159192	-54953300
STORY7	COMB1	Top	6006645.1	0	0	0	90568688	-110504047
STORY7	COMB1	Bottom	6241791.4	0	0	0	94409410	-115024081
STORY7	COMB2	Top	6787593	0	0	0	103845984	-125926715
STORY7	COMB2	Bottom	6989146.9	0	0	0	107138031	-129801029
STORY7	COMB3	Top	5660753	-158269.49	-43751.24	1857205.9	86073969	-105379501
STORY7	COMB3	Bottom	5862306.9	-158269.49	-43751.24	1857205.9	89523521	-109823586
STORY7	COMB4	Top	5660753	-158269.49	43751.23	3709393.1	85571439	-105379501
STORY7	COMB4	Bottom	5862306.9	-158269.49	43751.23	3709393.1	88705982	-109823586
STORY7	COMB5	Top	5660753	158269.49	43751.24	-1857205.9	85571439	-103561609
STORY7	COMB5	Bottom	5862306.9	158269.49	43751.24	-1857205.9	88705982	-106866153
STORY7	COMB6	Top	5660753	158269.49	-43751.23	-3709393.1	86073969	-103561609
STORY7	COMB6	Bottom	5862306.9	158269.49	-43751.23	-3709393.1	89523521	-106866153
STORY7	COMB7	Top	5660753	-47480.85	-145837.45	-2251988.9	86660253	-104743239
STORY7	COMB7	Bottom	5862306.9	-47480.85	-145837.45	-2251988.9	90477315	-108788484
STORY7	COMB8	Top	5660753	-47480.85	145837.45	3921968.6	84985155	-104743239
STORY7	COMB8	Bottom	5862306.9	-47480.85	145837.45	3921968.6	87752188	-108788484
STORY7	COMB9	Top	5660753	47480.85	145837.45	2251988.9	84985155	-104197871
STORY7	COMB9	Bottom	5862306.9	47480.85	145837.45	2251988.9	87752188	-107901254
STORY7	COMB10	Top	5660753	47480.85	-145837.45	-3921968.6	86660253	-104197871
STORY7	COMB10	Bottom	5862306.9	47480.85	-145837.45	-3921968.6	90477315	-107901254
STORY7	COMB11	Top	3861414.7	-158269.49	-43751.24	1857205.9	58473993	-71947263
STORY7	COMB11	Bottom	4012580.2	-158269.49	-43751.24	1857205.9	61100533	-75422768
STORY7	COMB12	Top	3861414.7	-158269.49	43751.23	3709393.1	57971463	-71947263
STORY7	COMB12	Bottom	4012580.2	-158269.49	43751.23	3709393.1	60282994	-75422768
STORY7	COMB13	Top	3861414.7	158269.49	43751.24	-1857205.9	57971463	-70129370
STORY7	COMB13	Bottom	4012580.2	158269.49	43751.24	-1857205.9	60282994	-72465335
STORY7	COMB14	Top	3861414.7	158269.49	-43751.23	-3709393.1	58473993	-70129370
STORY7	COMB14	Bottom	4012580.2	158269.49	-43751.23	-3709393.1	61100533	-72465335
STORY7	COMB15	Top	3861414.7	-47480.85	-145837.45	-2251988.9	59060277	-71311000
STORY7	COMB15	Bottom	4012580.2	-47480.85	-145837.45	-2251988.9	62054327	-74387667
STORY7	COMB16	Top	3861414.7	-47480.85	145837.45	3921968.6	57385179	-71311000
STORY7	COMB16	Bottom	4012580.2	-47480.85	145837.45	3921968.6	59329200	-74387667
STORY7	COMB17	Top	3861414.7	47480.85	145837.45	2251988.9	57385179	-70765632

**Tabel L.4.2 Story Shear Pada Desain Gedung FEMA 450 (Lanjutan)**

Story	Load	Loc	P	VX	VY	T	MX	MY
STORY7	COMB17	Bottom	4012580.2	47480.85	145837.45	2251988.9	59329200	-73500437
STORY7	COMB18	Top	3861414.7	47480.85	-145837.45	-3921968.6	59060277	-70765632
STORY7	COMB18	Bottom	4012580.2	47480.85	-145837.45	-3921968.6	62054327	-73500437
STORY6	COMB1	Top	7585872	0	0	0	114477765	-139621042
STORY6	COMB1	Bottom	7821018.2	0	0	0	118318487	-144141076
STORY6	COMB2	Top	8550976	0	0	0	130893398	-158686379
STORY6	COMB2	Bottom	8752529.9	0	0	0	134185446	-162560693
STORY6	COMB3	Top	7142426	-187729.8	-51895.1	2203122.8	108773067	-133344896
STORY6	COMB3	Bottom	7343979.9	-187729.8	-51895.1	2203122.8	112251937	-137895037
STORY6	COMB4	Top	7142426	-187729.8	51895.1	4400023.6	107955529	-133344896
STORY6	COMB4	Bottom	7343979.9	-187729.8	51895.1	4400023.6	111060754	-137895037
STORY6	COMB5	Top	7142426	187729.8	51895.1	-2203122.8	107955529	-130387463
STORY6	COMB5	Bottom	7343979.9	187729.8	51895.1	-2203122.8	111060754	-133585950
STORY6	COMB6	Top	7142426	187729.8	-51895.1	-4400023.6	108773067	-130387463
STORY6	COMB6	Bottom	7343979.9	187729.8	-51895.1	-4400023.6	112251937	-133585950
STORY6	COMB7	Top	7142426	-56318.94	-172983.66	-2671029.3	109726862	-132309794
STORY6	COMB7	Bottom	7343979.9	-56318.94	-172983.66	-2671029.3	113641651	-136386857
STORY6	COMB8	Top	7142426	-56318.94	172983.66	4651973.2	107001735	-132309794
STORY6	COMB8	Bottom	7343979.9	-56318.94	172983.66	4651973.2	109671041	-136386857
STORY6	COMB9	Top	7142426	56318.94	172983.66	2671029.3	107001735	-131422564
STORY6	COMB9	Bottom	7343979.9	56318.94	172983.66	2671029.3	109671041	-135094130
STORY6	COMB10	Top	7142426	56318.94	-172983.66	-4651973.2	109726862	-131422564
STORY6	COMB10	Bottom	7343979.9	56318.94	-172983.66	-4651973.2	113641651	-135094130
STORY6	COMB11	Top	4876632	-187729.8	-51895.1	2203122.8	74001618	-91235101
STORY6	COMB11	Bottom	5027797.4	-187729.8	-51895.1	2203122.8	76657476	-94816664
STORY6	COMB12	Top	4876632	-187729.8	51895.1	4400023.6	73184080	-91235101
STORY6	COMB12	Bottom	5027797.4	-187729.8	51895.1	4400023.6	75466293	-94816664
STORY6	COMB13	Top	4876632	187729.8	51895.1	-2203122.8	73184080	-88277668
STORY6	COMB13	Bottom	5027797.4	187729.8	51895.1	-2203122.8	75466293	-90507576
STORY6	COMB14	Top	4876632	187729.8	-51895.1	-4400023.6	74001618	-88277668
STORY6	COMB14	Bottom	5027797.4	187729.8	-51895.1	-4400023.6	76657476	-90507576
STORY6	COMB15	Top	4876632	-56318.94	-172983.66	-2671029.3	74955412	-90199999
STORY6	COMB15	Bottom	5027797.4	-56318.94	-172983.66	-2671029.3	78047189	-93308483
STORY6	COMB16	Top	4876632	-56318.94	172983.66	4651973.2	72230285	-90199999
STORY6	COMB16	Bottom	5027797.4	-56318.94	172983.66	4651973.2	74076580	-93308483
STORY6	COMB17	Top	4876632	56318.94	172983.66	2671029.3	72230285	-89312769
STORY6	COMB17	Bottom	5027797.4	56318.94	172983.66	2671029.3	74076580	-92015757
STORY6	COMB18	Top	4876632	56318.94	-172983.66	-4651973.2	74955412	-89312769
STORY6	COMB18	Bottom	5027797.4	56318.94	-172983.66	-4651973.2	78047189	-92015757
STORY5	COMB1	Top	9165098.9	0	0	0	138386842	-168738037
STORY5	COMB1	Bottom	9441069.1	0	0	0	142894356	-174042799
STORY5	COMB2	Top	10314359	0	0	0	157940813	-191446044
STORY5	COMB2	Bottom	10550905	0	0	0	161804396	-195992982
STORY5	COMB3	Top	8624099	-212737.18	-58808.01	2496799.7	131501484	-161416347
STORY5	COMB3	Bottom	8860645	-212737.18	-58808.01	2496799.7	135576776	-166729139
STORY5	COMB4	Top	8624099	-212737.18	58808.01	4986274.7	130310301	-161416347
STORY5	COMB4	Bottom	8860645	-212737.18	58808.01	4986274.7	133962176	-166729139



**Tabel L.4.2 Story Shear Pada Desain Gedung FEMA 450 (Lanjutan)**

Story	Load	Loc	P	VX	VY	T	MX	MY
STORY5	COMB5	Top	8624099	212737.18	58808.01	-2496799.7	130310301	-157107260
STORY5	COMB5	Bottom	8860645	212737.18	58808.01	-2496799.7	133962176	-160888344
STORY5	COMB6	Top	8624099	212737.18	-58808.01	-4986274.7	131501484	-157107260
STORY5	COMB6	Bottom	8860645	212737.18	-58808.01	-4986274.7	135576776	-160888344
STORY5	COMB7	Top	8624099	-63821.15	-196026.71	-3026663.8	132891198	-159908167
STORY5	COMB7	Bottom	8860645	-63821.15	-196026.71	-3026663.8	137460477	-164684861
STORY5	COMB8	Top	8624099	-63821.15	196026.71	5271586.1	128920588	-159908167
STORY5	COMB8	Bottom	8860645	-63821.15	196026.71	5271586.1	132078475	-164684861
STORY5	COMB9	Top	8624099	63821.15	196026.71	3026663.8	128920588	-158615440
STORY5	COMB9	Bottom	8860645	63821.15	196026.71	3026663.8	132078475	-162932623
STORY5	COMB10	Top	8624099	63821.15	-196026.71	-5271586.1	132891198	-158615440
STORY5	COMB10	Bottom	8860645	63821.15	-196026.71	-5271586.1	137460477	-162932623
STORY5	COMB11	Top	5891849.3	-212737.18	-58808.01	2496799.7	89558561	-110628997
STORY5	COMB11	Bottom	6069258.7	-212737.18	-58808.01	2496799.7	92667957	-114805054
STORY5	COMB12	Top	5891849.3	-212737.18	58808.01	4986274.7	88367378	-110628997
STORY5	COMB12	Bottom	6069258.7	-212737.18	58808.01	4986274.7	91053357	-114805054
STORY5	COMB13	Top	5891849.3	212737.18	58808.01	-2496799.7	88367378	-106319909
STORY5	COMB13	Bottom	6069258.7	212737.18	58808.01	-2496799.7	91053357	-108964259
STORY5	COMB14	Top	5891849.3	212737.18	-58808.01	-4986274.7	89558561	-106319909
STORY5	COMB14	Bottom	6069258.7	212737.18	-58808.01	-4986274.7	92667957	-108964259
STORY5	COMB15	Top	5891849.3	-63821.15	-196026.71	-3026663.8	90948274	-109120816
STORY5	COMB15	Bottom	6069258.7	-63821.15	-196026.71	-3026663.8	94551658	-112760776
STORY5	COMB16	Top	5891849.3	-63821.15	196026.71	5271586.1	86977665	-109120816
STORY5	COMB16	Bottom	6069258.7	-63821.15	196026.71	5271586.1	89169656	-112760776
STORY5	COMB17	Top	5891849.3	63821.15	196026.71	3026663.8	86977665	-107828090
STORY5	COMB17	Bottom	6069258.7	63821.15	196026.71	3026663.8	89169656	-111008537
STORY5	COMB18	Top	5891849.3	63821.15	-196026.71	-5271586.1	90948274	-107828090
STORY5	COMB18	Bottom	6069258.7	63821.15	-196026.71	-5271586.1	94551658	-111008537
STORY4	COMB1	Top	10785150	0	0	0	162962710	-198639761
STORY4	COMB1	Bottom	11061120	0	0	0	167470224	-203944522
STORY4	COMB2	Top	12112734	0	0	0	185559763	-224878332
STORY4	COMB2	Bottom	12349280	0	0	0	189423347	-229425270
STORY4	COMB3	Top	10140764	-233214.27	-64468.6	2737330.1	154826323	-190250450
STORY4	COMB3	Bottom	10377310	-233214.27	-64468.6	2737330.1	158921994	-195636959
STORY4	COMB4	Top	10140764	-233214.27	64468.6	5466369.2	153211723	-190250450
STORY4	COMB4	Bottom	10377310	-233214.27	64468.6	5466369.2	156843219	-195636959
STORY4	COMB5	Top	10140764	233214.27	64468.6	-2737330.1	153211723	-184409654
STORY4	COMB5	Bottom	10377310	233214.27	64468.6	-2737330.1	156843219	-188117021
STORY4	COMB6	Top	10140764	233214.27	-64468.6	-5466369.2	154826323	-184409654
STORY4	COMB6	Bottom	10377310	233214.27	-64468.6	-5466369.2	158921994	-188117021
STORY4	COMB7	Top	10140764	-69964.28	-214895.33	-3317843.6	156710024	-188206171
STORY4	COMB7	Bottom	10377310	-69964.28	-214895.33	-3317843.6	161347231	-193004981
STORY4	COMB8	Top	10140764	-69964.28	214895.33	5778953.4	151328022	-188206171
STORY4	COMB8	Bottom	10377310	-69964.28	214895.33	5778953.4	154417982	-193004981
STORY4	COMB9	Top	10140764	69964.28	214895.33	3317843.6	151328022	-186453933
STORY4	COMB9	Bottom	10377310	69964.28	214895.33	3317843.6	154417982	-190748999
STORY4	COMB10	Top	10140764	69964.28	-214895.33	-5778953.4	156710024	-186453933

**Tabel L.4.2 Story Shear Pada Desain Gedung FEMA 450 (Lanjutan)**

Story	Load	Loc	P	VX	VY	T	MX	MY
STORY4	COMB10	Bottom	10377310	69964.28	-214895.33	-5778953.4	161347231	-190748999
STORY4	COMB11	Top	6933310.6	-233214.27	-64468.6	2737330.1	105569043	-130617387
STORY4	COMB11	Bottom	7110720	-233214.27	-64468.6	2737330.1	108698817	-134867162
STORY4	COMB12	Top	6933310.6	-233214.27	64468.6	5466369.2	103954442	-130617387
STORY4	COMB12	Bottom	7110720	-233214.27	64468.6	5466369.2	106620043	-134867162
STORY4	COMB13	Top	6933310.6	233214.27	64468.6	-2737330.1	103954442	-124776591
STORY4	COMB13	Bottom	7110720	233214.27	64468.6	-2737330.1	106620043	-127347224
STORY4	COMB14	Top	6933310.6	233214.27	-64468.6	-5466369.2	105569043	-124776591
STORY4	COMB14	Bottom	7110720	233214.27	-64468.6	-5466369.2	108698817	-127347224
STORY4	COMB15	Top	6933310.6	-69964.28	-214895.33	-3317843.6	107452743	-128573108
STORY4	COMB15	Bottom	7110720	-69964.28	-214895.33	-3317843.6	111124054	-132235183
STORY4	COMB16	Top	6933310.6	-69964.28	214895.33	5778953.4	102070741	-128573108
STORY4	COMB16	Bottom	7110720	-69964.28	214895.33	5778953.4	104194806	-132235183
STORY4	COMB17	Top	6933310.6	69964.28	214895.33	3317843.6	102070741	-126820870
STORY4	COMB17	Bottom	7110720	69964.28	214895.33	3317843.6	104194806	-129979202
STORY4	COMB18	Top	6933310.6	69964.28	-214895.33	-5778953.4	107452743	-126820870
STORY4	COMB18	Bottom	7110720	69964.28	-214895.33	-5778953.4	111124054	-129979202
STORY3	COMB1	Top	12405201	0	0	0	187538579	-228541484
STORY3	COMB1	Bottom	12681171	0	0	0	192046093	-233846245
STORY3	COMB2	Top	13911109	0	0	0	213178714	-258310620
STORY3	COMB2	Bottom	14147655	0	0	0	217042297	-262857558
STORY3	COMB3	Top	11657429	-248710.45	-68752.28	2919353.1	178171541	-219158269
STORY3	COMB3	Bottom	11893975	-248710.45	-68752.28	2919353.1	182282632	-224600565
STORY3	COMB4	Top	11657429	-248710.45	68752.28	5829683.9	176092766	-219158269
STORY3	COMB4	Bottom	11893975	-248710.45	68752.28	5829683.9	179708841	-224600565
STORY3	COMB5	Top	11657429	248710.45	68752.28	-2919353.1	176092766	-211638331
STORY3	COMB5	Bottom	11893975	248710.45	68752.28	-2919353.1	179708841	-215289912
STORY3	COMB6	Top	11657429	248710.45	-68752.28	-5829683.9	178171541	-211638331
STORY3	COMB6	Bottom	11893975	248710.45	-68752.28	-5829683.9	182282632	-215289912
STORY3	COMB7	Top	11657429	-74613.14	-229174.28	-3538195.8	180596778	-216526291
STORY3	COMB7	Bottom	11893975	-74613.14	-229174.28	-3538195.8	185285389	-221341836
STORY3	COMB8	Top	11657429	-74613.13	229174.28	6162906.9	173667529	-216526291
STORY3	COMB8	Bottom	11893975	-74613.13	229174.28	6162906.9	176706085	-221341836
STORY3	COMB9	Top	11657429	74613.14	229174.28	3538195.8	173667529	-214270309
STORY3	COMB9	Bottom	11893975	74613.14	229174.28	3538195.8	176706085	-218548640
STORY3	COMB10	Top	11657429	74613.13	-229174.28	-6162906.9	180596778	-214270309
STORY3	COMB10	Bottom	11893975	74613.13	-229174.28	-6162906.9	185285389	-218548640
STORY3	COMB11	Top	7974771.8	-248710.45	-68752.28	2919353.1	121599902	-150679494
STORY3	COMB11	Bottom	8152181.3	-248710.45	-68752.28	2919353.1	124745098	-154985056
STORY3	COMB12	Top	7974771.8	-248710.45	68752.28	5829683.9	119521128	-150679494
STORY3	COMB12	Bottom	8152181.3	-248710.45	68752.28	5829683.9	122171307	-154985056
STORY3	COMB13	Top	7974771.8	248710.45	68752.28	-2919353.1	119521128	-143159556
STORY3	COMB13	Bottom	8152181.3	248710.45	68752.28	-2919353.1	122171307	-145674402
STORY3	COMB14	Top	7974771.8	248710.45	-68752.28	-5829683.9	121599902	-143159556
STORY3	COMB14	Bottom	8152181.3	248710.45	-68752.28	-5829683.9	124745098	-145674402
STORY3	COMB15	Top	7974771.8	-74613.14	-229174.28	-3538195.8	124025139	-148047516
STORY3	COMB15	Bottom	8152181.3	-74613.14	-229174.28	-3538195.8	127747854	-151726327

**Tabel L.4.2 Story Shear Pada Desain Gedung FEMA 450 (Lanjutan)**

Story	Load	Loc	P	VX	VY	T	MX	MY
STORY3	COMB16	Top	7974771.8	-74613.13	229174.28	6162906.9	117095891	-148047516
STORY3	COMB16	Bottom	8152181.3	-74613.13	229174.28	6162906.9	119168551	-151726327
STORY3	COMB17	Top	7974771.8	74613.14	229174.28	3538195.8	117095891	-145791534
STORY3	COMB17	Bottom	8152181.3	74613.14	229174.28	3538195.8	119168551	-148933131
STORY3	COMB18	Top	7974771.8	74613.13	-229174.28	-6162906.9	124025139	-145791534
STORY3	COMB18	Bottom	8152181.3	74613.13	-229174.28	-6162906.9	127747854	-148933131
STORY2	COMB1	Top	14025252	0	0	0	212114448	-258443207
STORY2	COMB1	Bottom	14345312	0	0	0	217342097	-264595474
STORY2	COMB2	Top	15709484	0	0	0	240797664	-291742909
STORY2	COMB2	Bottom	15983821	0	0	0	245278506	-297016281
STORY2	COMB3	Top	13174094	-259392.54	-71705.19	3044848.5	201532179	-248121875
STORY2	COMB3	Bottom	13448431	-259392.54	-71705.19	3044848.5	206271160	-254329061
STORY2	COMB4	Top	13174094	-259392.54	71705.19	6080135.7	198958389	-248121875
STORY2	COMB4	Bottom	13448431	-259392.54	71705.19	6080135.7	203181092	-254329061
STORY2	COMB5	Top	13174094	259392.54	71705.19	-3044848.5	198958389	-238811222
STORY2	COMB5	Bottom	13448431	259392.54	71705.19	-3044848.5	203181092	-243150781
STORY2	COMB6	Top	13174094	259392.54	-71705.19	-6080135.7	201532179	-238811222
STORY2	COMB6	Bottom	13448431	259392.54	-71705.19	-6080135.7	206271160	-243150781
STORY2	COMB7	Top	13174094	-77817.76	-239017.29	-3690064.3	204534936	-244863147
STORY2	COMB7	Bottom	13448431	-77817.76	-239017.29	-3690064.3	209876240	-250416663
STORY2	COMB8	Top	13174094	-77817.76	239017.29	6427559.6	195955632	-244863147
STORY2	COMB8	Bottom	13448431	-77817.76	239017.29	6427559.6	199576012	-250416663
STORY2	COMB9	Top	13174094	77817.76	239017.29	3690064.3	195955632	-242069951
STORY2	COMB9	Bottom	13448431	77817.76	239017.29	3690064.3	199576012	-247063179
STORY2	COMB10	Top	13174094	77817.76	-239017.29	-6427559.6	204534936	-242069951
STORY2	COMB10	Bottom	13448431	77817.76	-239017.29	-6427559.6	209876240	-247063179
STORY2	COMB11	Top	9016233.1	-259392.54	-71705.19	3044848.5	137646183	-170797388
STORY2	COMB11	Bottom	9221986.1	-259392.54	-71705.19	3044848.5	141264954	-175686230
STORY2	COMB12	Top	9016233.1	-259392.54	71705.19	6080135.7	135072393	-170797388
STORY2	COMB12	Bottom	9221986.1	-259392.54	71705.19	6080135.7	138174886	-175686230
STORY2	COMB13	Top	9016233.1	259392.54	71705.19	-3044848.5	135072393	-161486735
STORY2	COMB13	Bottom	9221986.1	259392.54	71705.19	-3044848.5	138174886	-164507951
STORY2	COMB14	Top	9016233.1	259392.54	-71705.19	-6080135.7	137646183	-161486735
STORY2	COMB14	Bottom	9221986.1	259392.54	-71705.19	-6080135.7	141264954	-164507951
STORY2	COMB15	Top	9016233.1	-77817.76	-239017.29	-3690064.3	140648940	-167538659
STORY2	COMB15	Bottom	9221986.1	-77817.76	-239017.29	-3690064.3	144870033	-171773832
STORY2	COMB16	Top	9016233.1	-77817.76	239017.29	6427559.6	132069636	-167538659
STORY2	COMB16	Bottom	9221986.1	-77817.76	239017.29	6427559.6	134569806	-171773832
STORY2	COMB17	Top	9016233.1	77817.76	239017.29	3690064.3	132069636	-164745463
STORY2	COMB17	Bottom	9221986.1	77817.76	239017.29	3690064.3	134569806	-168420349
STORY2	COMB18	Top	9016233.1	77817.76	-239017.29	-6427559.6	140648940	-164745463
STORY2	COMB18	Bottom	9221986.1	77817.76	-239017.29	-6427559.6	144870033	-168420349
STORY1	COMB1	Top	15689392	0	0	0	237410452	-289192436
STORY1	COMB1	Bottom	16045015	0	0	0	243218951	-296028289
STORY1	COMB2	Top	17545651	0	0	0	269033873	-325901631
STORY1	COMB2	Bottom	17850470	0	0	0	274012587	-331760933
STORY1	COMB3	Top	14728551	-265205.83	-73312.18	3113172.6	225520707	-277850371

**Tabel L.4.2 Story Shear Pada Desain Gedung FEMA 450 (Lanjutan)**

Story	Load	Loc	P	VX	VY	T	MX	MY
STORY1	COMB3	Bottom	15033370	-265205.83	-73312.18	3113172.6	230792670	-284770496
STORY1	COMB4	Top	14728551	-265205.83	73312.18	6216458.2	222430639	-277850371
STORY1	COMB4	Bottom	15033370	-265205.83	73312.18	6216458.2	227116104	-284770496
STORY1	COMB5	Top	14728551	265205.83	73312.18	-3113172.6	222430639	-266672091
STORY1	COMB5	Bottom	15033370	265205.83	73312.18	-3113172.6	227116104	-271470570
STORY1	COMB6	Top	14728551	265205.83	-73312.18	-6216458.2	225520707	-266672091
STORY1	COMB6	Bottom	15033370	265205.83	-73312.18	-6216458.2	230792670	-271470570
STORY1	COMB7	Top	14728551	-79561.75	-244373.94	-3772698.1	229125787	-273937973
STORY1	COMB7	Bottom	15033370	-79561.75	-244373.94	-3772698.1	235081996	-280115522
STORY1	COMB8	Top	14728551	-79561.75	244373.94	6571587.3	218825559	-273937973
STORY1	COMB8	Bottom	15033370	-79561.75	244373.94	6571587.3	222826777	-280115522
STORY1	COMB9	Top	14728551	79561.75	244373.94	3772698.1	218825559	-270584489
STORY1	COMB9	Bottom	15033370	79561.75	244373.94	3772698.1	222826777	-276125544
STORY1	COMB10	Top	14728551	79561.75	-244373.94	-6571587.3	229125787	-270584489
STORY1	COMB10	Bottom	15033370	79561.75	-244373.94	-6571587.3	235081996	-276125544
STORY1	COMB11	Top	10086038	-265205.83	-73312.18	3113172.6	154166039	-191498563
STORY1	COMB11	Bottom	10314652	-265205.83	-73312.18	3113172.6	158193323	-196953863
STORY1	COMB12	Top	10086038	-265205.83	73312.18	6216458.2	151075971	-191498563
STORY1	COMB12	Bottom	10314652	-265205.83	73312.18	6216458.2	154516757	-196953863
STORY1	COMB13	Top	10086038	265205.83	73312.18	-3113172.6	151075971	-180320283
STORY1	COMB13	Bottom	10314652	265205.83	73312.18	-3113172.6	154516757	-183653937
STORY1	COMB14	Top	10086038	265205.83	-73312.18	-6216458.2	154166039	-180320283
STORY1	COMB14	Bottom	10314652	265205.83	-73312.18	-6216458.2	158193323	-183653937
STORY1	COMB15	Top	10086038	-79561.75	-244373.94	-3772698.1	157771119	-187586165
STORY1	COMB15	Bottom	10314652	-79561.75	-244373.94	-3772698.1	162482650	-192298889
STORY1	COMB16	Top	10086038	-79561.75	244373.94	6571587.3	147470891	-187586165
STORY1	COMB16	Bottom	10314652	-79561.75	244373.94	6571587.3	150227431	-192298889
STORY1	COMB17	Top	10086038	79561.75	244373.94	3772698.1	147470891	-184232681
STORY1	COMB17	Bottom	10314652	79561.75	244373.94	3772698.1	150227431	-188308911
STORY1	COMB18	Top	10086038	79561.75	-244373.94	-6571587.3	157771119	-184232681
STORY1	COMB18	Bottom	10314652	79561.75	-244373.94	-6571587.3	162482650	-188308911

**LAMPIRAN 5**  
***OUTPUT PROGRAM CONCRETE PILECAP DESIGN***

## A. Struktur Gedung yang didesain Berdasarkan SNI 02-1726-2002

Langkah-langkah dalam mendesain Pilecap dengan menggunakan program *Concrete Pilecap* adalah sebagai berikut:

1. Masukkan faktor pembebanan yang dipakai.
2. Definisikan material *pilecap* yang akan digunakan.
3. Masukkan nilai beban aksial yang bekerja.
4. Tentukan jumlah tiang yang akan digunakan dalam satu *pilecap*.
5. Input kapasitas satu tiang, diameter tiang, panjang tiang, luas tiang, serta jarak antar tiang.
6. Input dimensi kolom yang dipakai.

The screenshot shows the 'Concrete Pilecap Design' software interface. The window title is 'Concrete Pilecap Design, (C) Nathan Madutujuh, 1999-2003'. The interface includes a menu bar with 'New', 'Run', 'Print', 'Report', 'Save', 'Help', and 'Close' buttons, and a 'Test Data' button. Below the menu bar, there are tabs for 'Data' and 'Report'. The 'Data' tab is active, showing various input fields for project information and design parameters.

Field	Value	Unit
Project	TUGAS AKHIR	
Job name	EBEN TULUS	
Licensee		
Design Code	PBI-91	
Group Efficiency	Not used	
Load Factors	Dead Load: 1.2, Live Load: 1.6	
Strength Reduction	Moment: 0.8, Shear: 0.6	
Concrete Material	Concrete Strength $f_c$ : 250, Concrete Cover, $c_v$ : 5.0, Unit Weight: 2400	kg/cm <sup>2</sup> , cm, kg/m <sup>3</sup>
Pilecap Rebar Material	Rebar Strength, $f_y$ : 4000, Main Rebar Db: 1.3	kg/cm <sup>2</sup> , cm
Factored Column Axial Load	$P_u$ : 503063.1, $M_{ux}$ : 0, $V_{ux}$ : 0, $M_{uy}$ : 0, $V_{uy}$ : 0	kg, kg.cm, kg
No. of pile, x-dir, $n_{pb}$	1	
No. of pile, y-dir, $n_{ph}$	1	
Single Pile Capacity, $P_1$	1208776.74	kg
Pile Section Area, $A$	1963.495	cm <sup>2</sup>
Pile Diam., $D$	50	cm
Pile Circumference	0	cm
Pile Length, $L$	15	m
Pile to pile dist. ratio, $s$	2	
Pile to edge dist. ratio, $s_1$	1.5	
Column Section Width, $b$	70	cm
Column Section Height, $h$	70	cm
Sloof Width, $b_s$	0	cm
Sloof Height, $h_s$	0	cm
Sloof Length	0	m
Sloof wall weight	0	kg/
Allowable stress $q_a$	0.5	kg/cm <sup>2</sup>
Include Pilecap Weight in Analysis	<input checked="" type="checkbox"/>	
Reduce Pile Capacity by Pile Weight	<input type="checkbox"/>	

Gambar L.5.1 Input Data Concrete Pilecap Design

Berikut hasil output dari program *Pilecap Design V.1.1* (SNI 03-1726-2002):

PILECAP - Pilecap Design V.1.1  
(C) Nathan Madutujuh, 1999-2003  
Engineering Software Research Center

Project : TUGAS aKHIR  
Job Name : EBEN TULUS

PILECAP DESIGN

Design Code : PBI-91

Factor for Dead Load = 1.20  
Factor for Live Load = 1.60  
Strength Reduction for Moment = 0.80  
Strength Reduction for Shear = 0.60

Concrete Unit Weight, Gm = 2400.00 kg/m3  
Concrete Compr. Strength, fc1 = 250.00 kg/cm2  
Concrete Cover, cv = 5.00 cm

Pilecap Rebar Yield Strength, fy = 4000.00 kg/cm2  
Pilecap Rebar Diameter, db = 1.30 cm

Sloof Rebar Yield Strength, fys = 4000.00 kg/cm2  
Sloof Stirrups Yield Strength, fy = 2400.00 kg/cm2  
Sloof Main Rebar Diameter, dbs = 1.90 cm  
Sloof Stirrups Rebar Diameter, dbsv = 1.00 cm

Allowable Soil Stress, qa = 0.50 kg/cm2

Unfactored Axial Load P = 359330.79 kg  
Single Pile Capacity P1 = 1208776.74 kg  
Single Pile Section Area A1 = 1963.49 cm2  
Pile Length L1 = 15.00 m  
Pile Length Inside Pilecap L2 = 7.500 m  
Pile Diameter dp = 50.00 cm  
Pile to Pile Dist. Ratio s = 2.00 D  
Pile to Edge Dist. Ratio s1 = 1.50 D

Column Section Width b = 70.00 cm  
Column Section Height h = 70.00 cm

Sloof Section Width b = 0.00 cm  
Sloof Section Height h = 0.00 cm

Factored Axial Load, Pu = 503063.10 kg  
Factored Moment, Mux = 0.00 kg.cm  
Factored Shear, Vux = 0.00 kg.cm

Load Factor (Averaged) = 1.40

PILE DESIGN:

Pile to Pile Distance ds = 100.00 cm  
Pile to Edge Distance ds1 = 75.00 cm  
Number of Pile np = 1  
Weight of One Pile W1 = 0.00 kg  
Single Pile Capacity P1-W1 = 1208776.74 kg  
Unfactored load, 1 Pile P3 = 359330.79 kg  
Weight of All Piles Wp = 0.00 kg  
Weight of Pile Cap Wc = 4860.00 kg  
Pilecap Width bp = 150.00 cm  
Pilecap Length hp = 150.00 cm  
Pilecap Thickness tp = 90.00 cm (Included L2)

Group Efficiency Method = Not Applied  
Group Efficiency eff = 1.000

Total Pile Capacity Pcap = 1203916.74 kg

Pcap > P ----> OK

Shear Stress Checking:

Beta Factor =  $h/b \geq 1.0$  = 1.00  
Punch Shear Force Pp = 359330.79 kg (Unfactored)  
Punch Shear Force Ppu = 503063.10 kg (Factored)  
Critical Perimeter Ko = 640.0000 cm  
Punch Shear Stress vc = 9.3911 kg/cm<sup>2</sup>

Maximum shear stress (Without Phi factor)

Punch Shear Capacity vc1 = 16.67 kg/cm<sup>2</sup> (Including Beta)  
Nett Shear Capacity vc min = 8.33 kg/cm<sup>2</sup>  
Nett Shear Capacity vc max = 16.67 kg/cm<sup>2</sup>  
Nett Shear Average vc = 8.33 kg/cm<sup>2</sup>

Maximum shear stress (With Phi factor = 0.6)

Punch Shear Capacity vc1 = 10.00 kg/cm<sup>2</sup> (Including Beta)  
Nett Shear Capacity vc min = 5.00 kg/cm<sup>2</sup>  
Nett Shear Capacity vc max = 10.00 kg/cm<sup>2</sup>  
Nett Shear Average vc = 5.00 kg/cm<sup>2</sup>

Pilecap Thickness at Column Face:

Punch Shear, tp = 87.48 cm  
Nett Shear, X-dir, tp = 13.80 cm ( 0 piles)  
Nett Shear, Y-dir, tp = 13.80 cm ( 0 piles)

Pilecap Thickness at Edge:

Nett Shear, X-dir, tp = 0.00 cm ( 0 piles)  
Nett Shear, Y-dir, tp = 0.00 cm ( 0 piles)

Selected Pilecap Thickness tp = 90.00 cm (Included L2)

Pilecap Rebar Design:

fc1 = 250.0 kg/cm<sup>2</sup> Tp = 90.0 cm db = 1.3 cm  
fy = 4000.0 kg/cm<sup>2</sup> cv = 5.0 cm romin = 0.00150

1. Bending Moment at Column Face, X-direction (0 piles)

Not Applicable!

2. Bending Moment at Column Face, Y-direction (0 piles)

Not Applicable!



## B. Struktur Gedung yang didesain Berdasarkan FEMA 450

Langkah-langkah dalam mendesain Pilecap dengan menggunakan program *Concrete Pilecap Design* adalah sebagai berikut:

1. Masukkan faktor pembebanan yang dipakai.
2. Defenisikan material *pilecap* yang akan digunakan.
3. Masukkan nilai beban aksial yang bekerja.
4. Tentukan jumlah tiang yang akan digunakan dalam satu *pilecap*.
5. Input kapasitas satu tiang, diameter tiang, panjang tiang, luas tiang, serta jarak antar tiang.
6. Input dimensi kolom yang dipakai.

The screenshot shows the 'Concrete Pilecap Design' software interface. The window title is 'Concrete Pilecap Design, (C) Nathan Madutujuh, 1999-2003'. The interface includes a menu bar with 'New', 'Run', 'Print', 'Report', 'Save', 'Help', and 'Close' buttons, and a 'Test Data' button. Below the menu bar, there are tabs for 'Data' and 'Report'. The 'Data' tab is active, showing the following input fields:

Field	Value	Unit
Project	TUGAS AKHIR	
Job name	EBEN TULUS	
Licensee		
Design Code	PBI-91	
Group Efficiency	Not used	
Factored Column Axial Load (Pu)	552636.54	kg
Mux	0	kg.cm
Vux	0	kg
Two way action	<input type="checkbox"/>	
Muy	0	kg.cm
Vuy	0	kg
No. of pile, x-dir, npb	1	
No. of pile, y-dir, npy	1	
Single Pile Capacity, P1	1208776.74	kg
Pile Section Area, A	1963.495	cm <sup>2</sup>
Pile Diam., D	50	cm
Pile Circumference	0	cm
Pile Length, L	15	m
Pile to pile dist. ratio, s	2	
Pile to edge dist. ratio, s1	1.5	
Concrete Material		
Concrete Strength, fc1	250	kg/cm <sup>2</sup>
Concrete Cover, cv	5.0	cm
Unit Weight	2400	kg/m <sup>3</sup>
Pilecap Rebar Material		
Rebar Strength, fy	4000	kg/cm <sup>2</sup>
Main Rebar Db	1.3	cm
Userdef Pilecap Thick	150	cm
Sloof Rebar Material		
Rebar Strength, fy	4000	kg/cm <sup>2</sup>
Main Rebar Dbs	1.9	cm
Stirups Strength, fyv	2400	kg/cm <sup>2</sup>
Stirups Rebar Dbv	1.0	cm
Allowable stress qa	0.5	kg/cm <sup>2</sup>
Include Pilecap Weight in Analysis	<input checked="" type="checkbox"/>	
Reduce Pile Capacity by Pile Weight	<input type="checkbox"/>	
Column Section Width, b	70	cm
Column Section Height, h	70	cm
Sloof Width, bs	0	cm
Sloof Height, hs	0	cm
Sloof Length	0	m
Sloof wall weight	0	kg/

Gambar L.5.2 Input Data Concrete Pilecap Design

Berikut hasil output dari program *Pilecap Design V.1.1* (FEMA 450):

```
PILECAP - Pilecap Design V.1.1
PILECAP - Pilecap Design V.1.1
(C) Nathan Madutujuh, 1999-2003
Engineering Software Research Center

Project   : TUGAS AKHIR
Job Name  : EBEN TULUS

PILECAP DESIGN

Design Code      : PBI-91

Factor for Dead Load = 1.20
Factor for Live Load = 1.60
Strength Reduction for Moment = 0.80
Strength Reduction for Shear = 0.60

Concrete Unit Weight,      Gm = 2400.00 kg/m3
Concrete Compr. Strength, fc1 = 250.00 kg/cm2
Concrete Cover,           cv = 5.00 cm

Pilecap Rebar Yield Strength, fy = 4000.00 kg/cm2
Pilecap Rebar Diameter,   db = 1.30 cm

Sloof Rebar Yield Strength,  fys = 4000.00 kg/cm2
Sloof Stirrups Yield Strength, fy = 2400.00 kg/cm2
Sloof Main Rebar Diameter,  dbs = 1.90 cm
Sloof Stirrups Rebar Diameter, dbsv = 1.00 cm

Allowable Soil Stress,     qa = 0.50 kg/cm2

Unfactored Axial Load      P = 401883.24 kg
Single Pile Capacity       P1 = 1208776.74 kg
Single Pile Section Area A1 = 1963.49 cm2
Pile Length                L1 = 15.00 m
Pile Length Inside Pilecap L2 = 7.500 m
Pile Diameter              dp = 50.00 cm
Pile to Pile Dist. Ratio  s = 2.00 D
Pile to Edge Dist. Ratio  s1 = 1.50 D

Column Section Width      b = 70.00 cm
Column Section Height     h = 70.00 cm

Sloof Section Width      b = 0.00 cm
Sloof Section Height     h = 0.00 cm

Factored Axial Load,      Pu = 562636.54 kg
Factored Moment,          Mux = 0.00 kg.cm
Factored Shear,           Vux = 0.00 kg.cm

Load Factor (Averaged) = 1.40

PILE DESIGN:

Pile to Pile Distance     ds = 100.00 cm
Pile to Edge Distance    ds1 = 75.00 cm
Number of Pile            np = 1
Weight of One Pile        W1 = 0.00 kg
Single Pile Capacity      P1-W1 = 1208776.74 kg
Unfactored load, 1 Pile  P3 = 401883.24 kg
Weight of All Piles       Wp = 0.00 kg
Weight of Pile Cap        Wc = 5130.00 kg
Pilecap Width             bp = 150.00 cm
Pilecap Length            hp = 150.00 cm
Pilecap Thickness         tp = 95.00 cm (Included L2)

Group Efficiency Method   = Not Applied
Group Efficiency          eff = 1.000
Total Pile Capacity       Pcap = 1203646.74 kg
```

Pcap > P ----> OK

Shear Stress Checking:

Beta Factor = h/b >= 1.0	=	1.00	
Punch Shear Force	Pp =	401883.24 kg	(Unfactored)
Punch Shear Force	Ppu =	562636.54 kg	(Factored)
Critical Perimeter	Ko =	660.0000 cm	
Punch Shear Stress	vc =	9.6108 kg/cm2	

Maximum shear stress (Without Phi factor)

Punch Shear Capacity	vc1 =	16.67 kg/cm2	(Including Beta)
Nett Shear Capacity	vc min =	8.33 kg/cm2	
Nett Shear Capacity	vc max =	16.67 kg/cm2	
Nett Shear Average	vc =	8.33 kg/cm2	

Maximum shear stress (With Phi factor = 0.6)

Punch Shear Capacity	vc1 =	10.00 kg/cm2	(Including Beta)
Nett Shear Capacity	vc min =	5.00 kg/cm2	
Nett Shear Capacity	vc max =	10.00 kg/cm2	
Nett Shear Average	vc =	5.00 kg/cm2	

Pilecap Thickness at Column Face:

Punch Shear,	tp =	93.66 cm	
Nett Shear, X-dir,	tp =	13.80 cm	( 0 piles)
Nett Shear, Y-dir,	tp =	13.80 cm	( 0 piles)

Pilecap Thickness at Edge:

Nett Shear, X-dir,	tp =	0.00 cm	( 0 piles)
Nett Shear, Y-dir,	tp =	0.00 cm	( 0 piles)

Selected Pilecap Thickness tp = 95.00 cm (Included L2)

Pilecap Rebar Design:

fc1 = 250.0 kg/cm2	Tp = 95.0 cm	db = 1.3 cm
fy = 4000.0 kg/cm2	cv = 5.0 cm	romin = 0.00150

1. Bending Moment at Column Face, X-direction (0 piles)

Not Applicable!

2. Bending Moment at Column Face, Y-direction (0 piles)

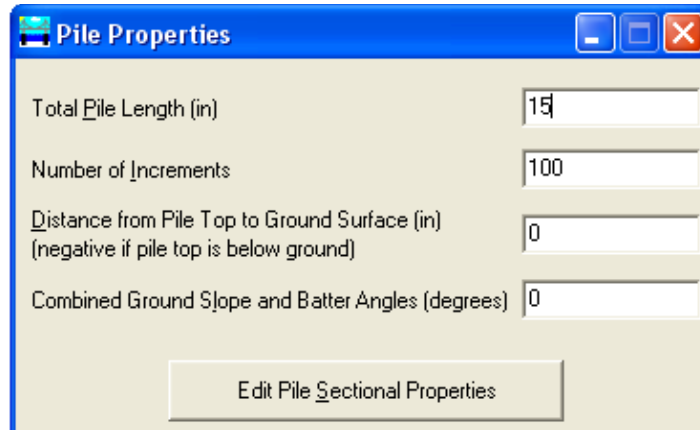
Not Applicable!

**LAMPIRAN 6**  
***OUTPUT PROGRAM LPILE Plus 4.0***

## A. Desain Tiang Pada Gedung Model 2

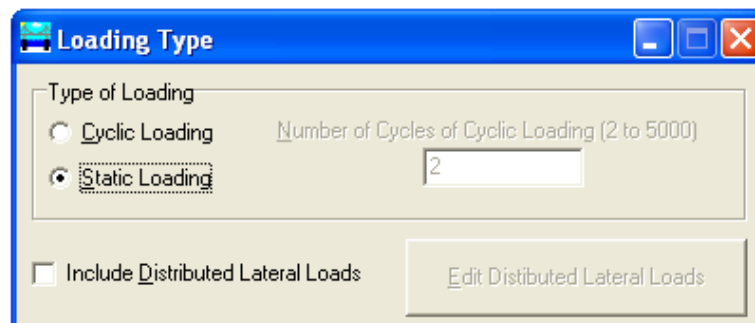
Adapun langkah-langkah dalam pemodelan *Program LPILE Plus 4.0* adalah sebagai berikut:

1. Defenisikan tiang yang akan digunakan. *Input* yang dimasukkan adalah panjang tiang, dan dimensi tiang.



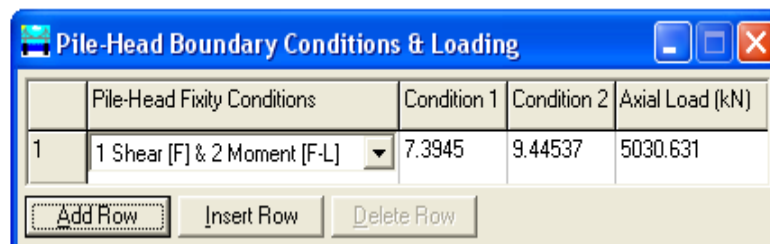
**Gambar L.6.1 Defenisi Tiang**

2. Tentukan jenis beban yang bekerja.



**Gambar L.6.2 Jenis Beban**

3. Input nilai  $N_u$ ,  $V_u$ , dan  $M_u$ .



	Pile-Head Fixity Conditions	Condition 1	Condition 2	Axial Load (kN)
1	1 Shear [F] & 2 Moment [F-L]	7.3945	9.44537	5030.631

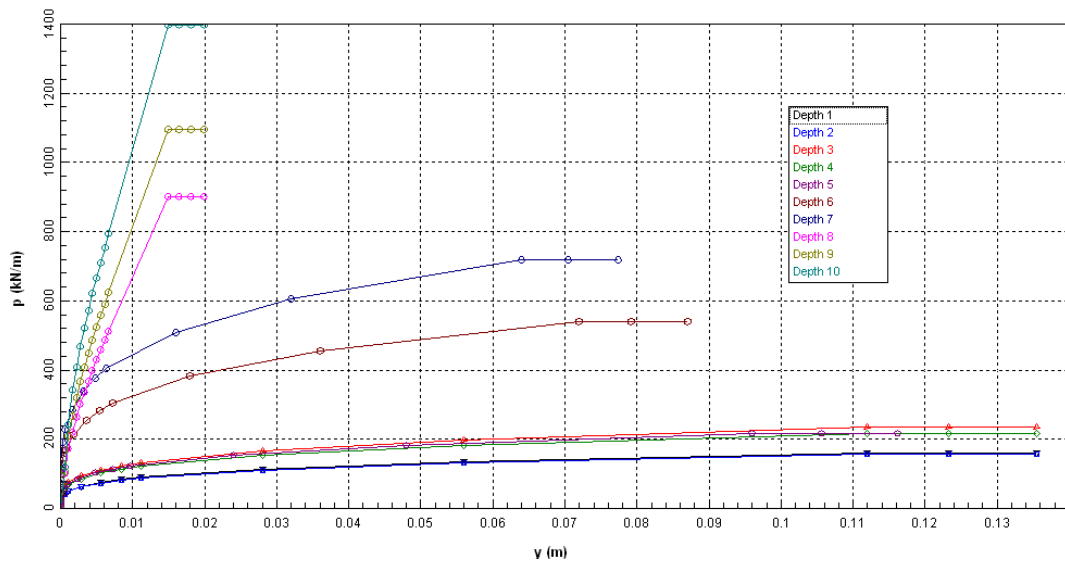
**Gambar L.6.3 Input Beban**

4. Tentukan jenis tanah tiap kedalaman.

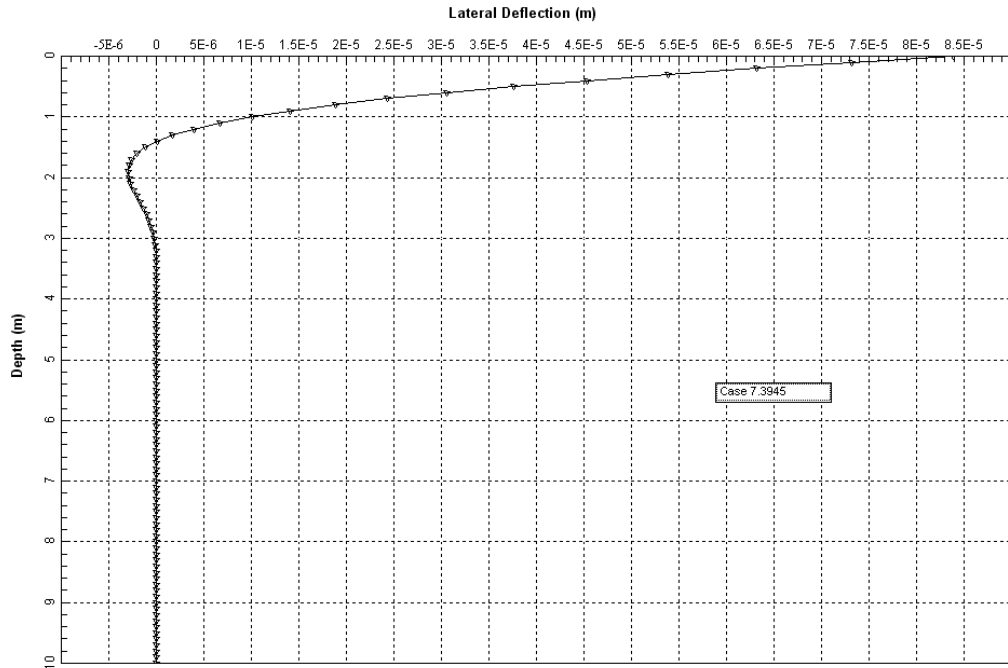
Layer	Soil Type	Layer Top (m)	Layer Bottom (m)	Data for Soil Properties
1	Stiff Clay w/o Free Water (Reese)	0	1	1: Stiff Clay w/o Free Water (Reese)
2	Stiff Clay w/o Free Water (Reese)	1	3	2: Stiff Clay w/o Free Water (Reese)
3	Stiff Clay w/o Free Water (Reese)	3	5	3: Stiff Clay w/o Free Water (Reese)
4	Stiff Clay w/o Free Water (Reese)	5	6	4: Stiff Clay w/o Free Water (Reese)
5	Stiff Clay w/o Free Water (Reese)	6	7	5: Stiff Clay w/o Free Water (Reese)
6	Stiff Clay w/o Free Water (Reese)	7	9	6: Stiff Clay w/o Free Water (Reese)
7	Sand (Reese)	9	11	7: Sand (Reese)
8	Sand (Reese)	11	12	8: Sand (Reese)
9	Sand (Reese)	12	14	9: Sand (Reese)
10	Sand (Reese)	14	15	10: Sand (Reese)

Gambar L.6.4 Jenis tanah tiap kedalaman

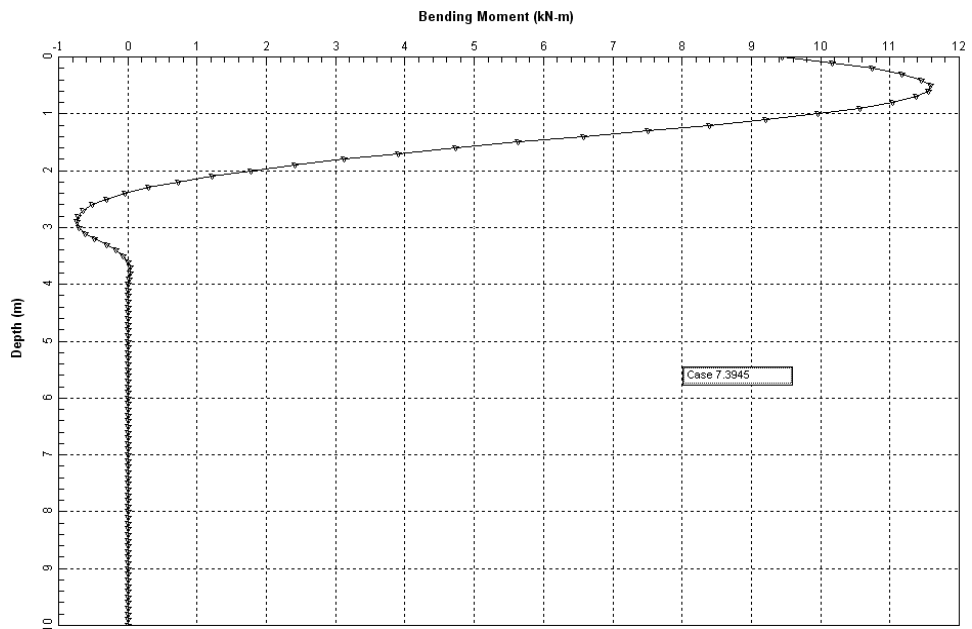
5. Setelah input data-data yang diperlukan, maka program bisa di run.



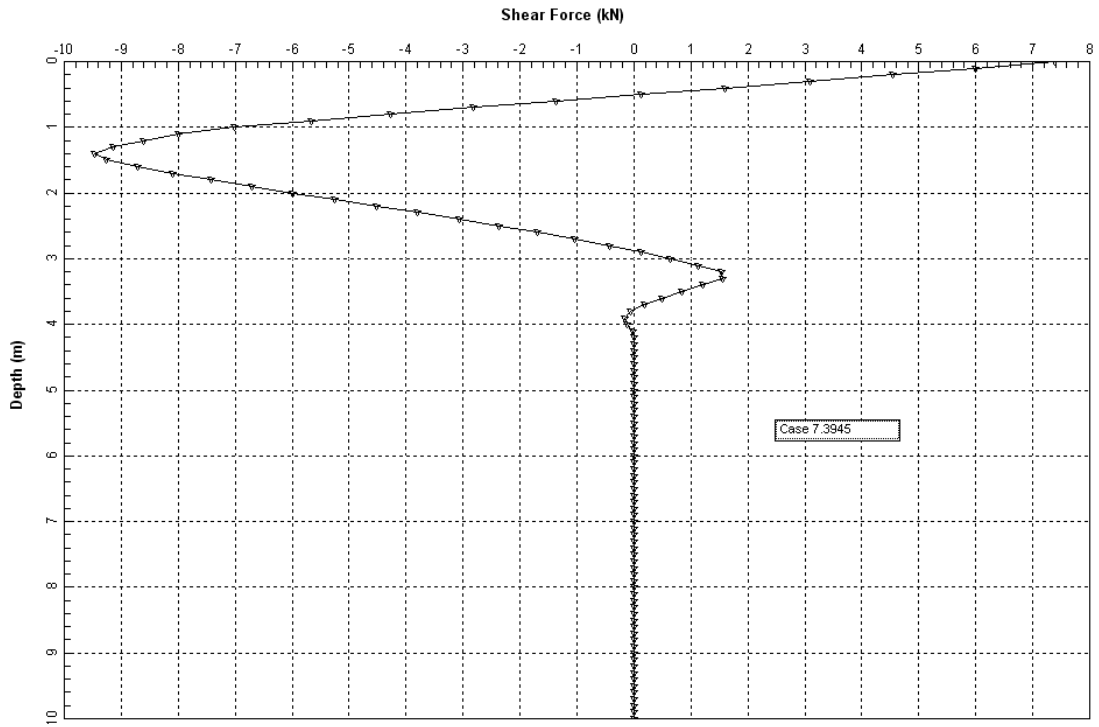
Gambar L.6.5 Kurva hubungan p-y



**Gambar L.6.6 Kurva Lateral Deflection**

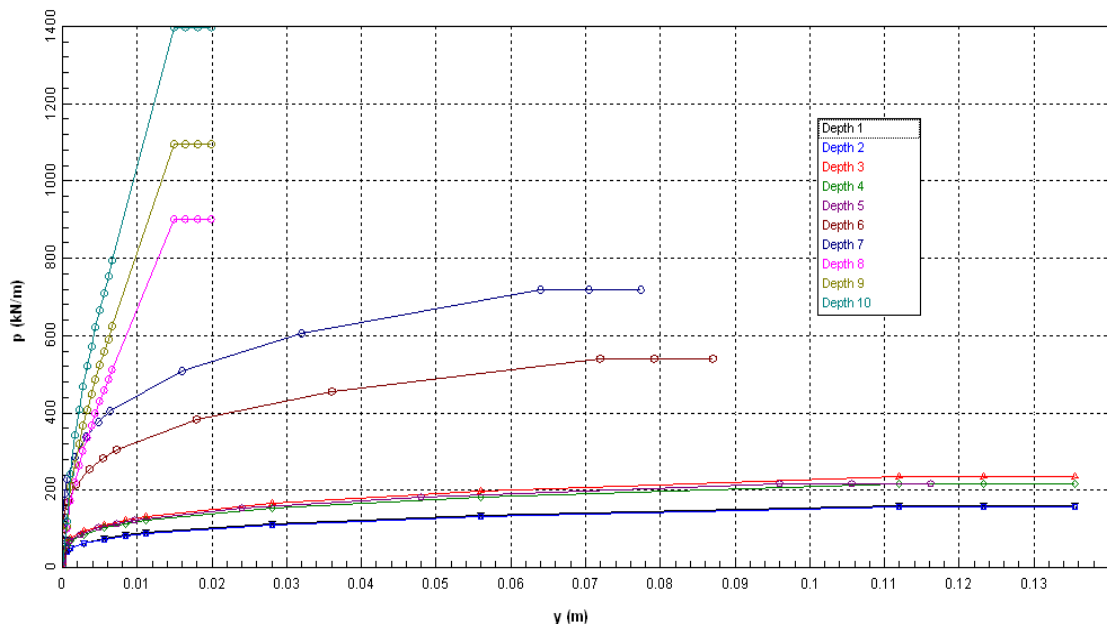


**Gambar L.6.7 Bending Momen**



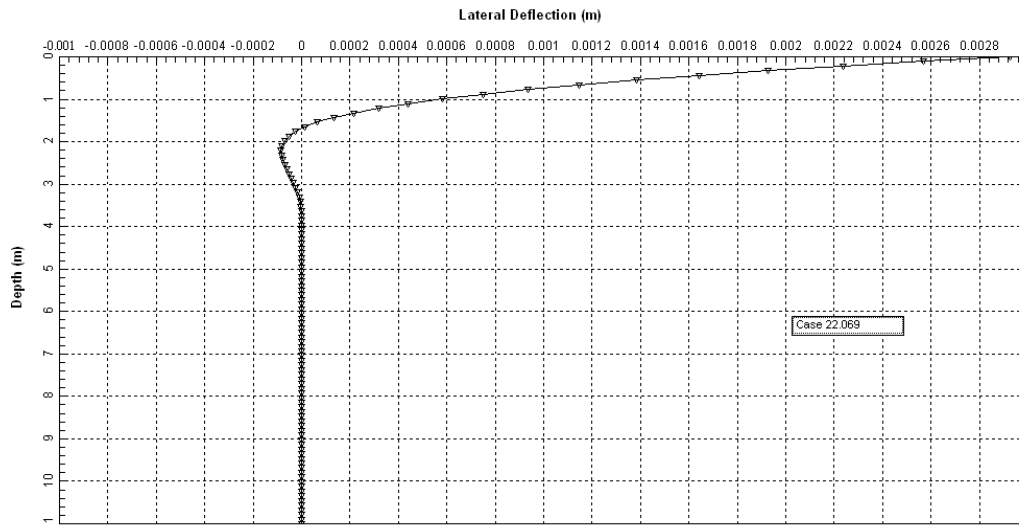
Gambar L.6.8 Gaya Geser

## B. Desain Tiang Pada Gedung Model 2

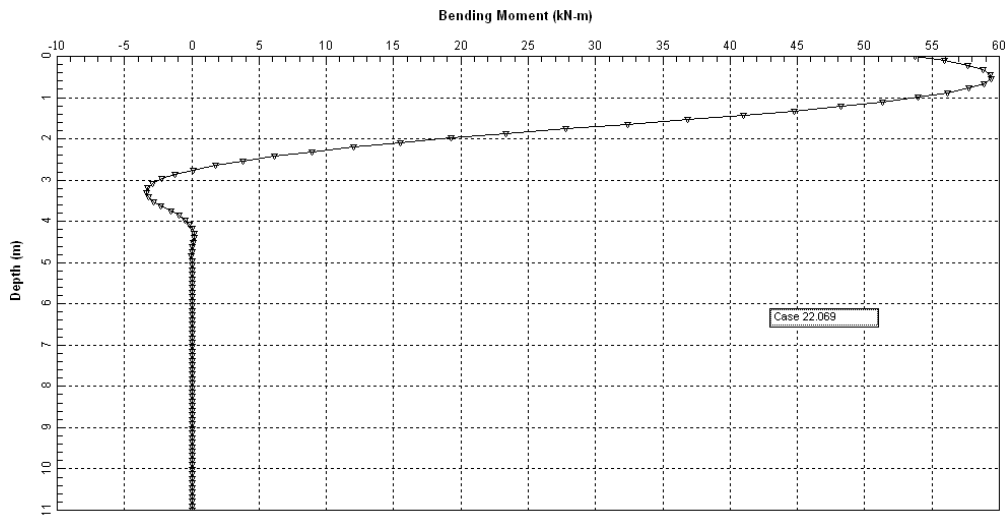


Gambar L.6.9 Kurva hubungan p-y

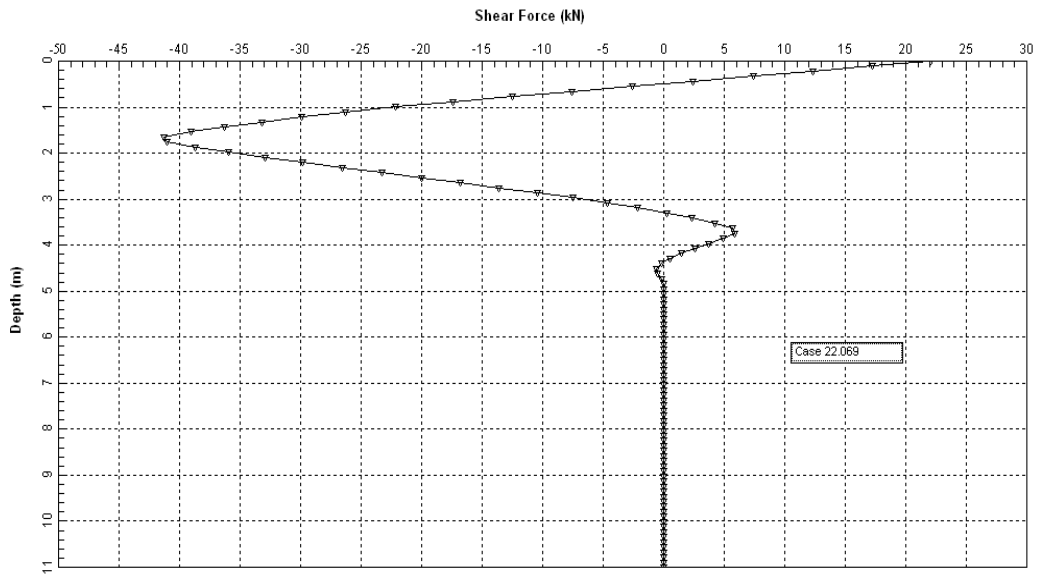




**Gambar L.6.10 Kurva Lateral Deflection**



**Gambar L.6.11 Bending Momen**



**Gambar L.6.12 Gaya Geser**