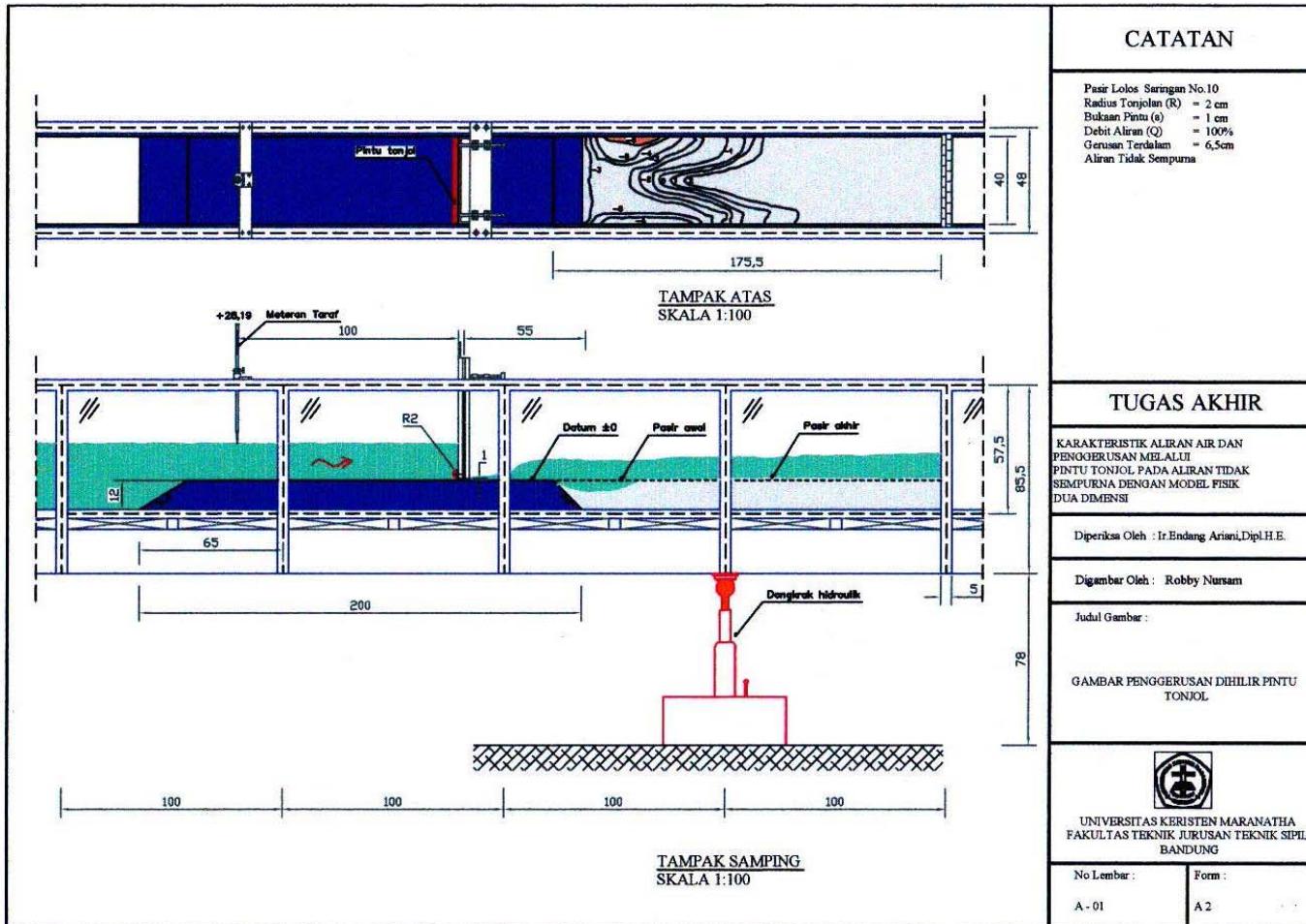
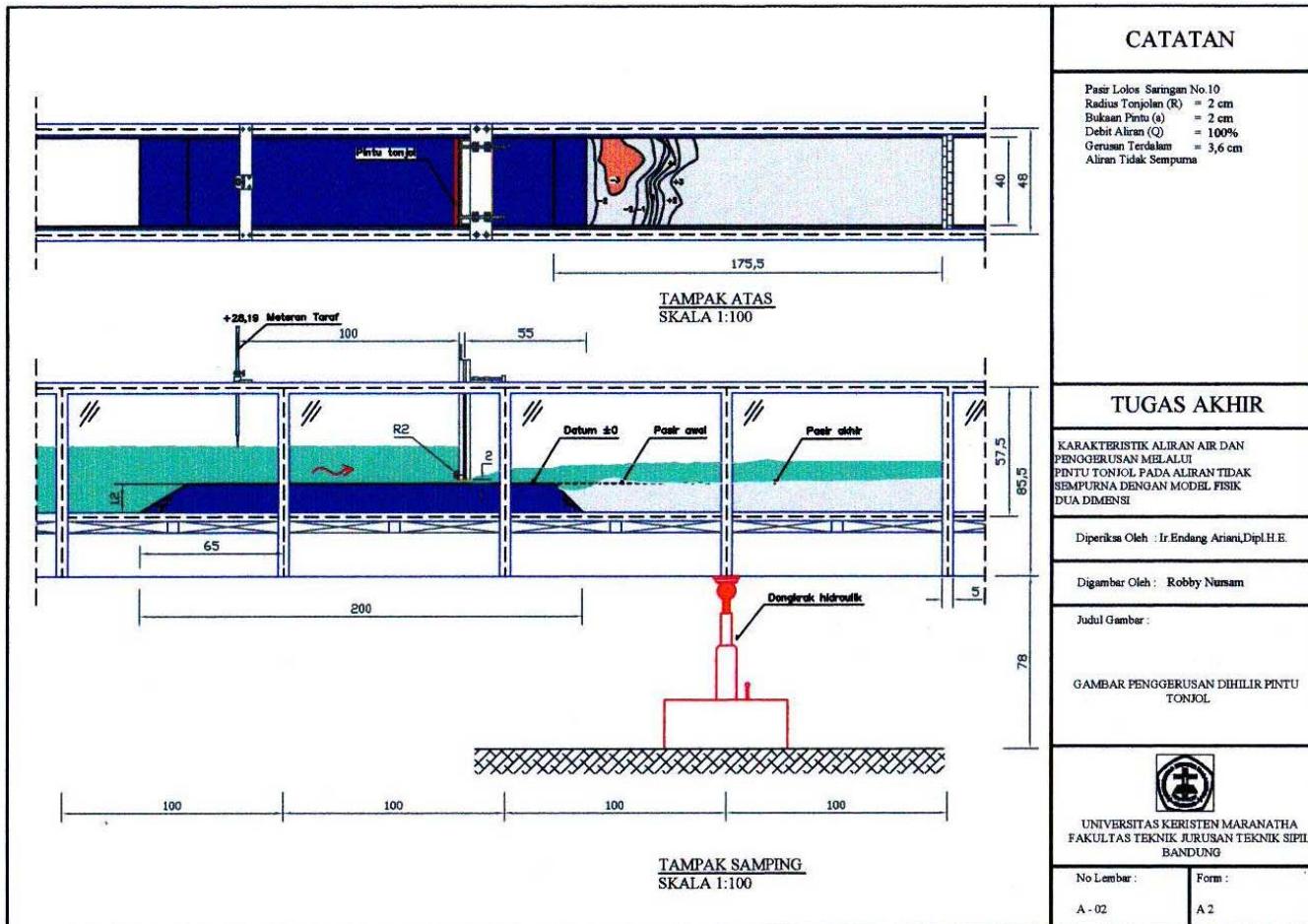
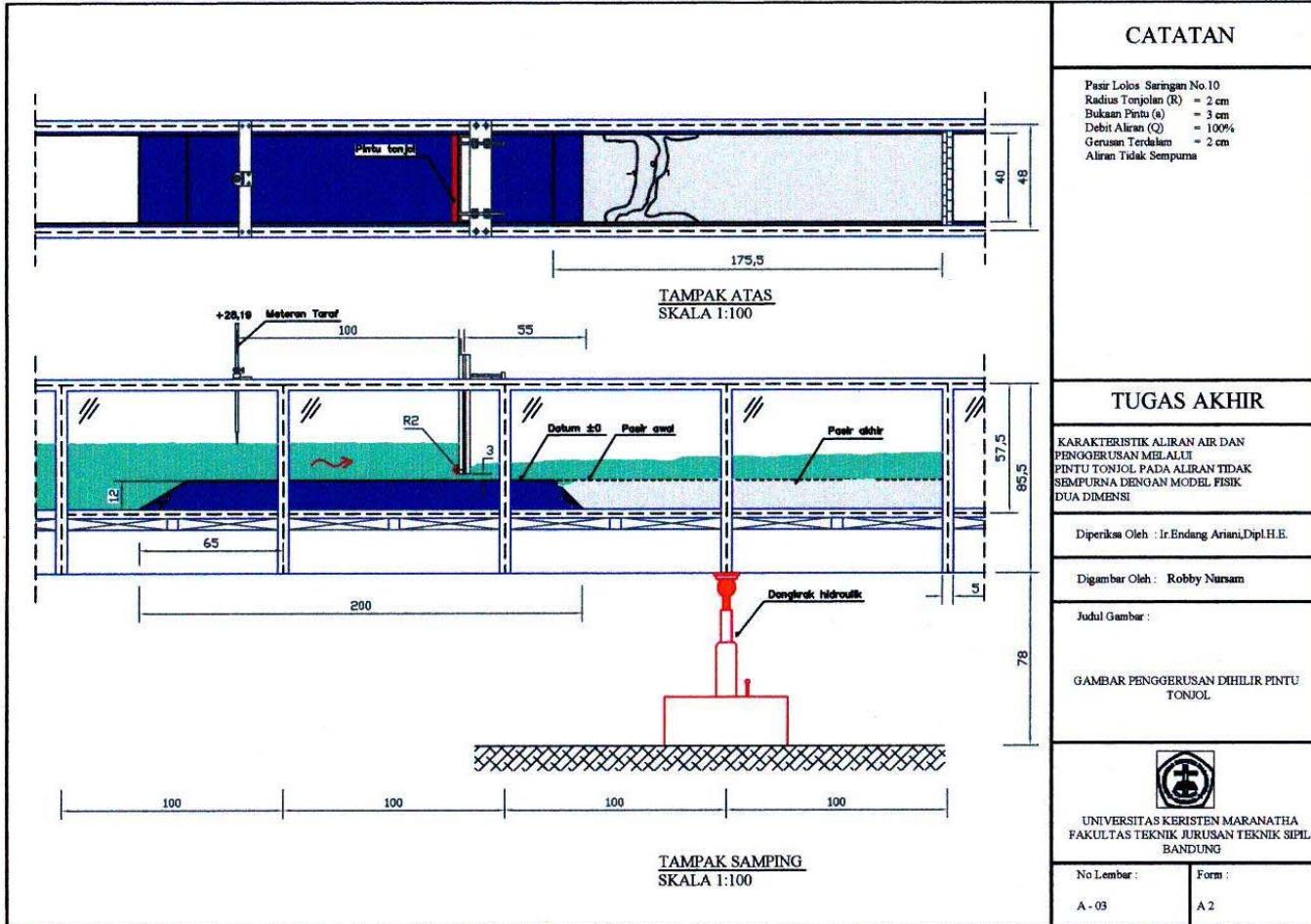
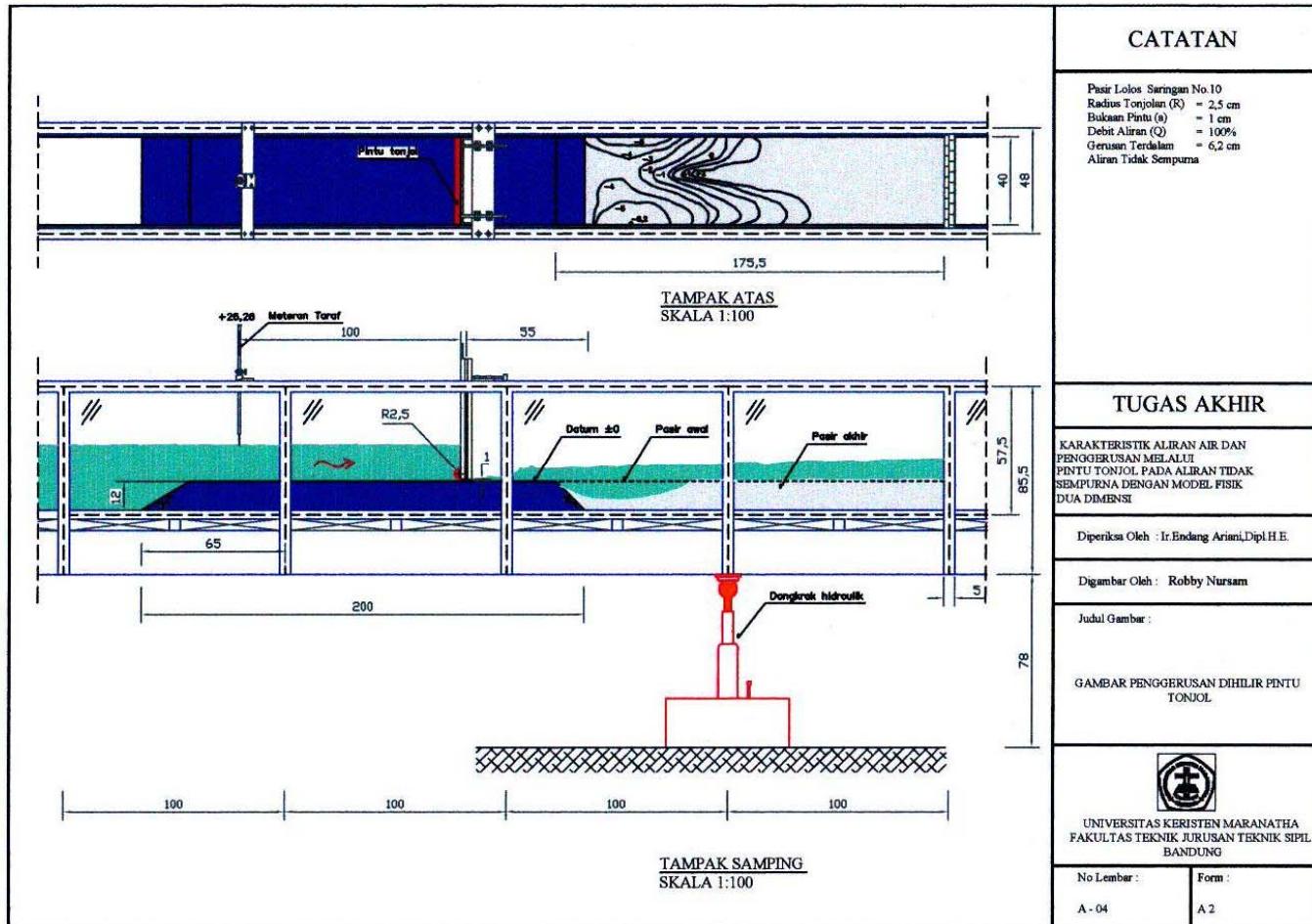


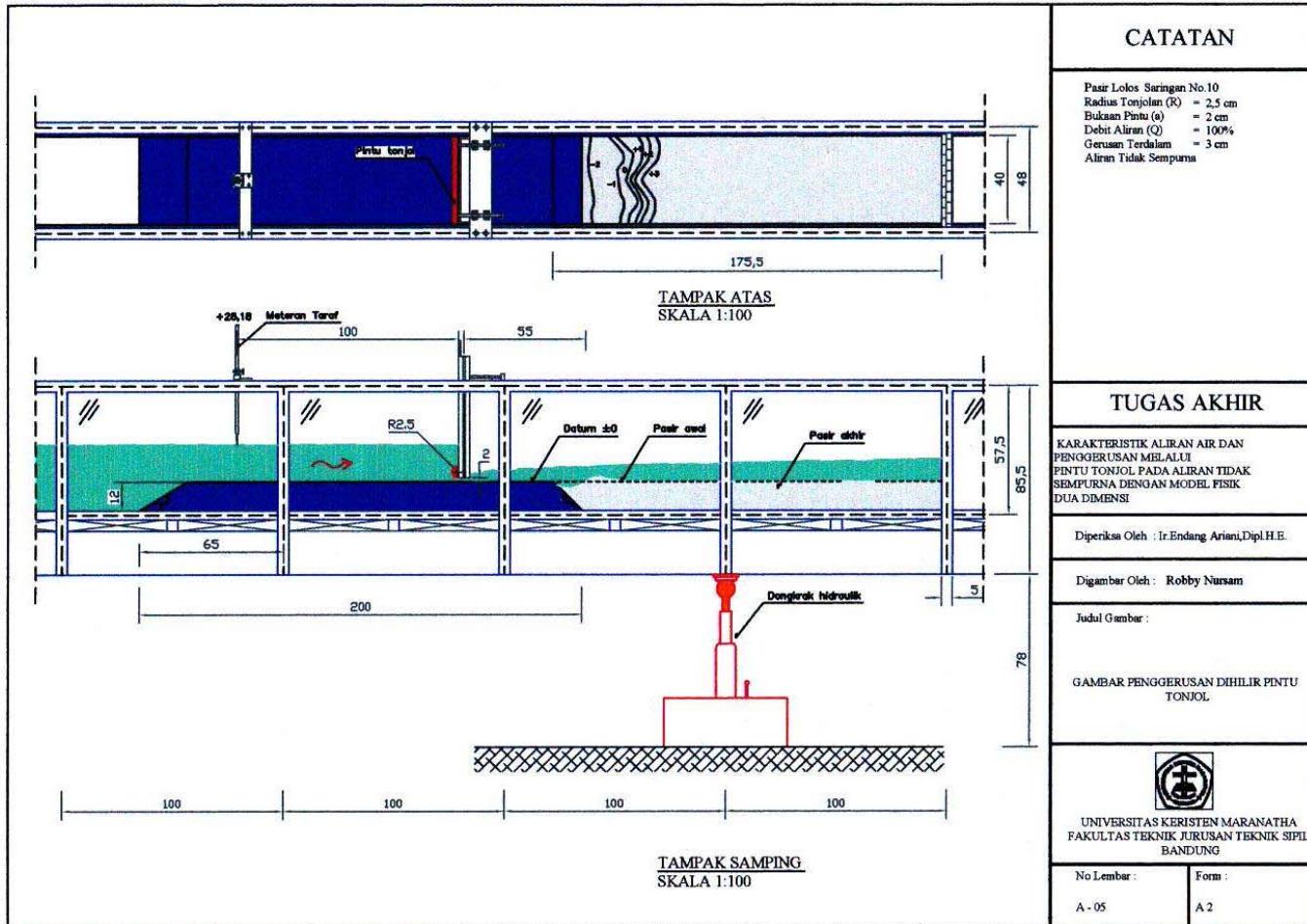
LAMPIRAN I
PENGERUSAN DI HILIR PINTU TONJOL
UNTUK PASIR JENIS A

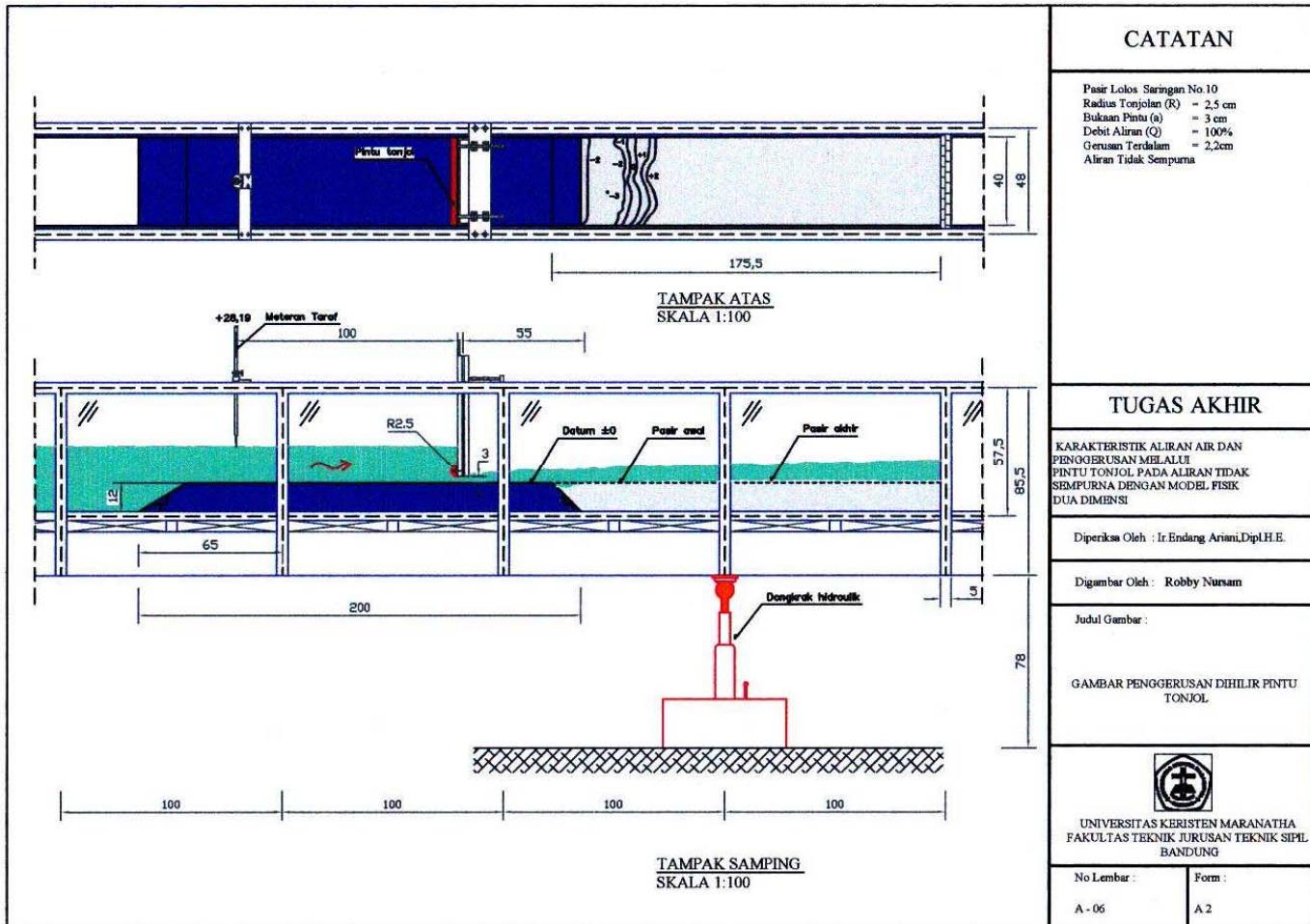


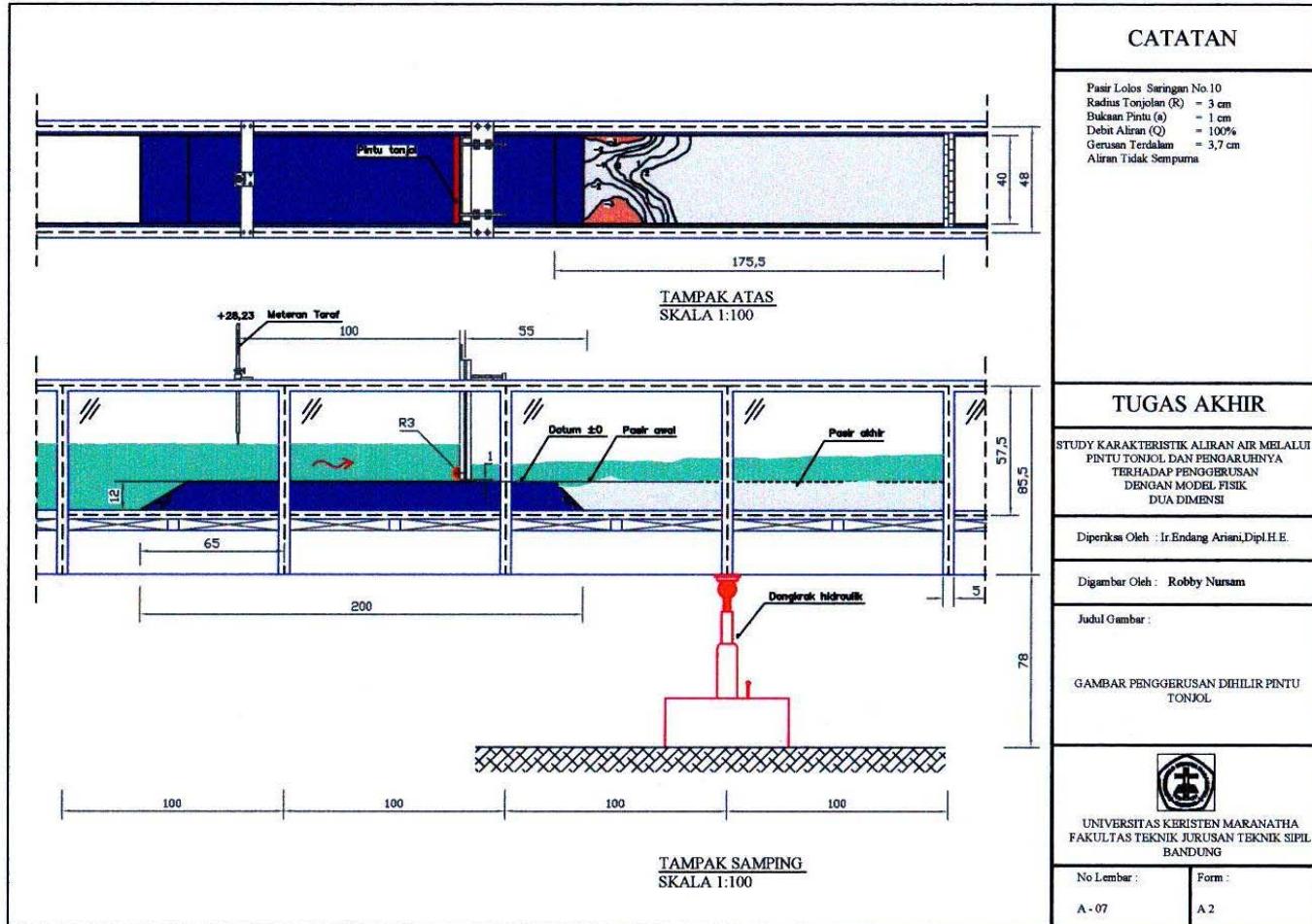


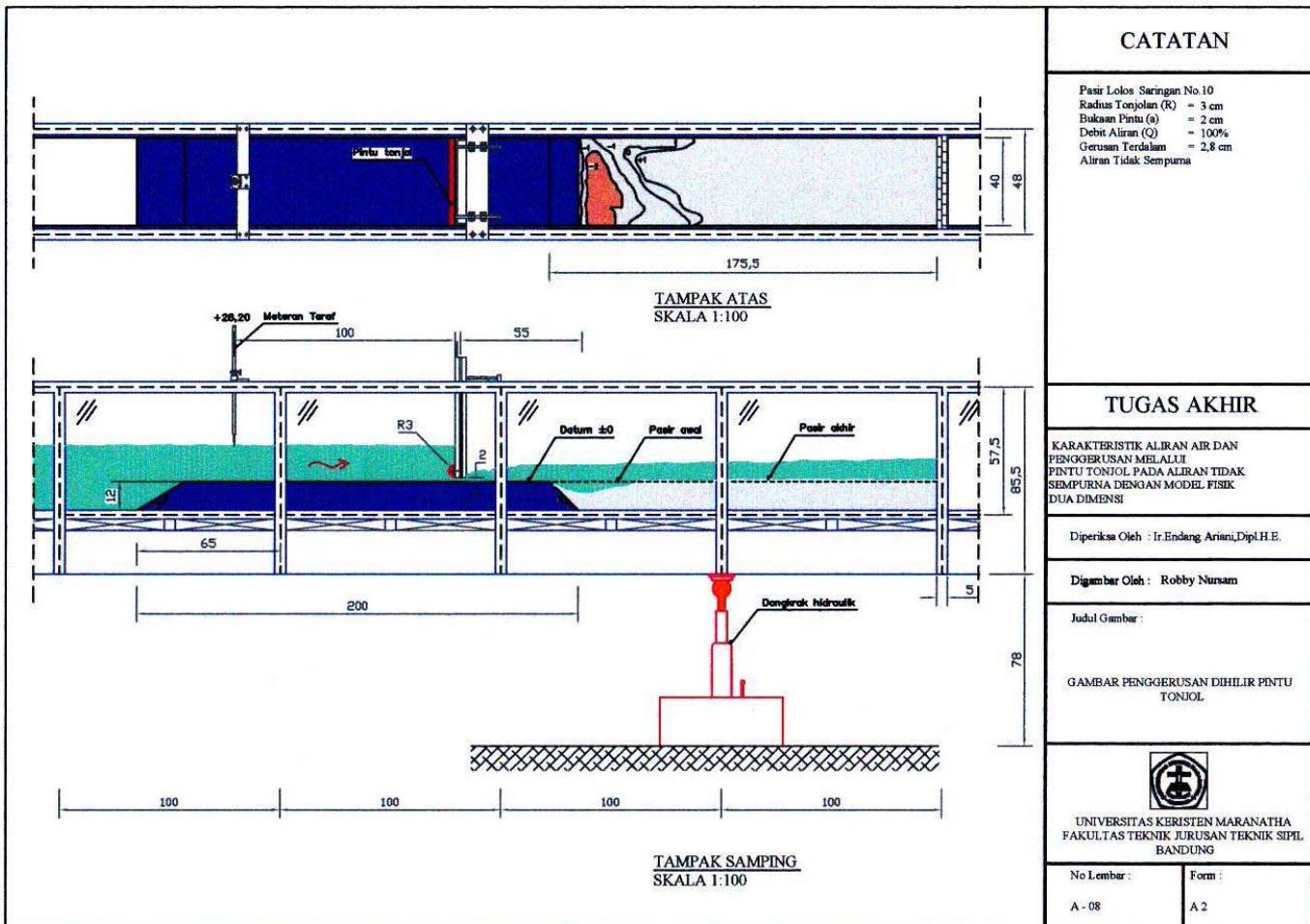


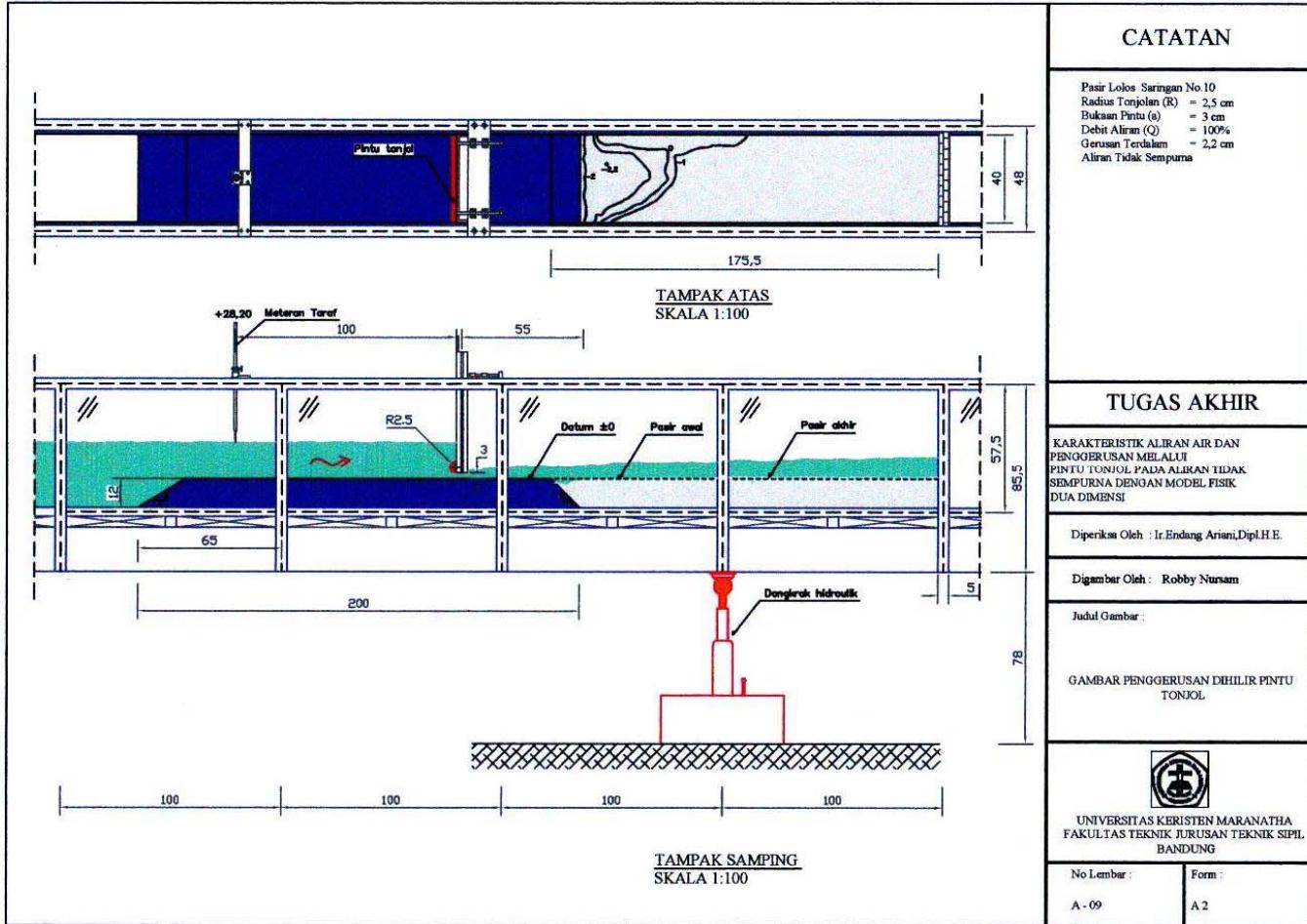


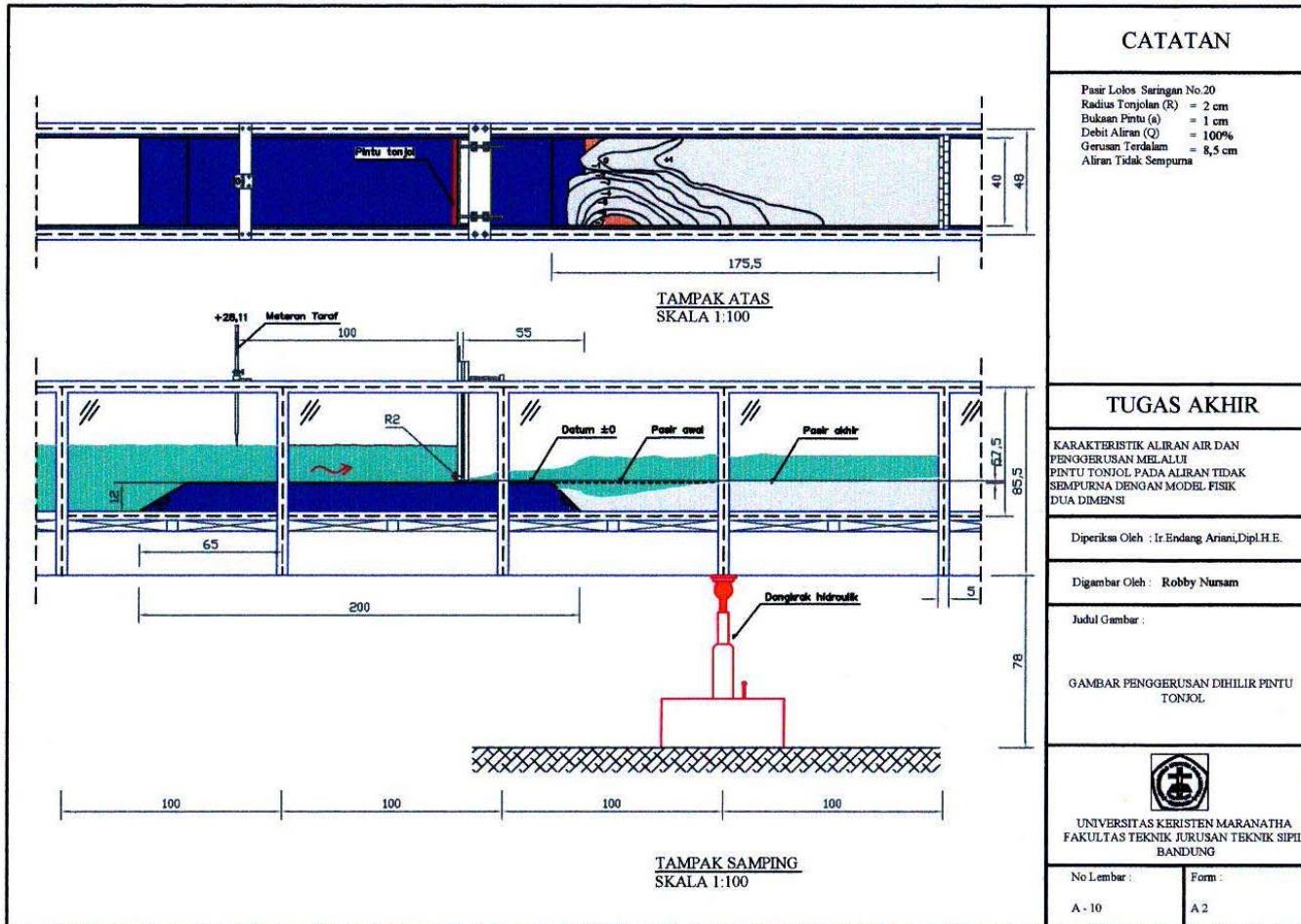




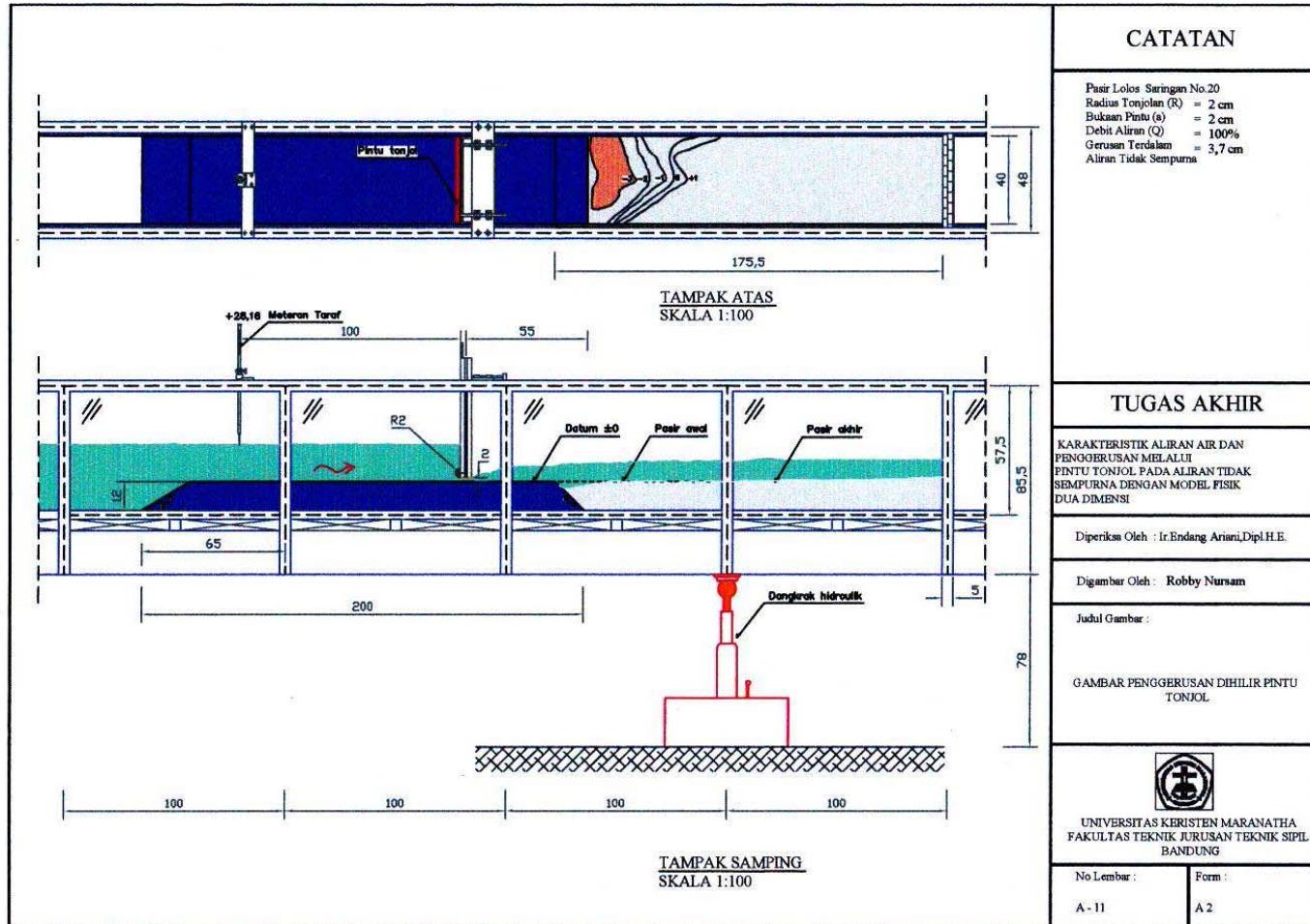


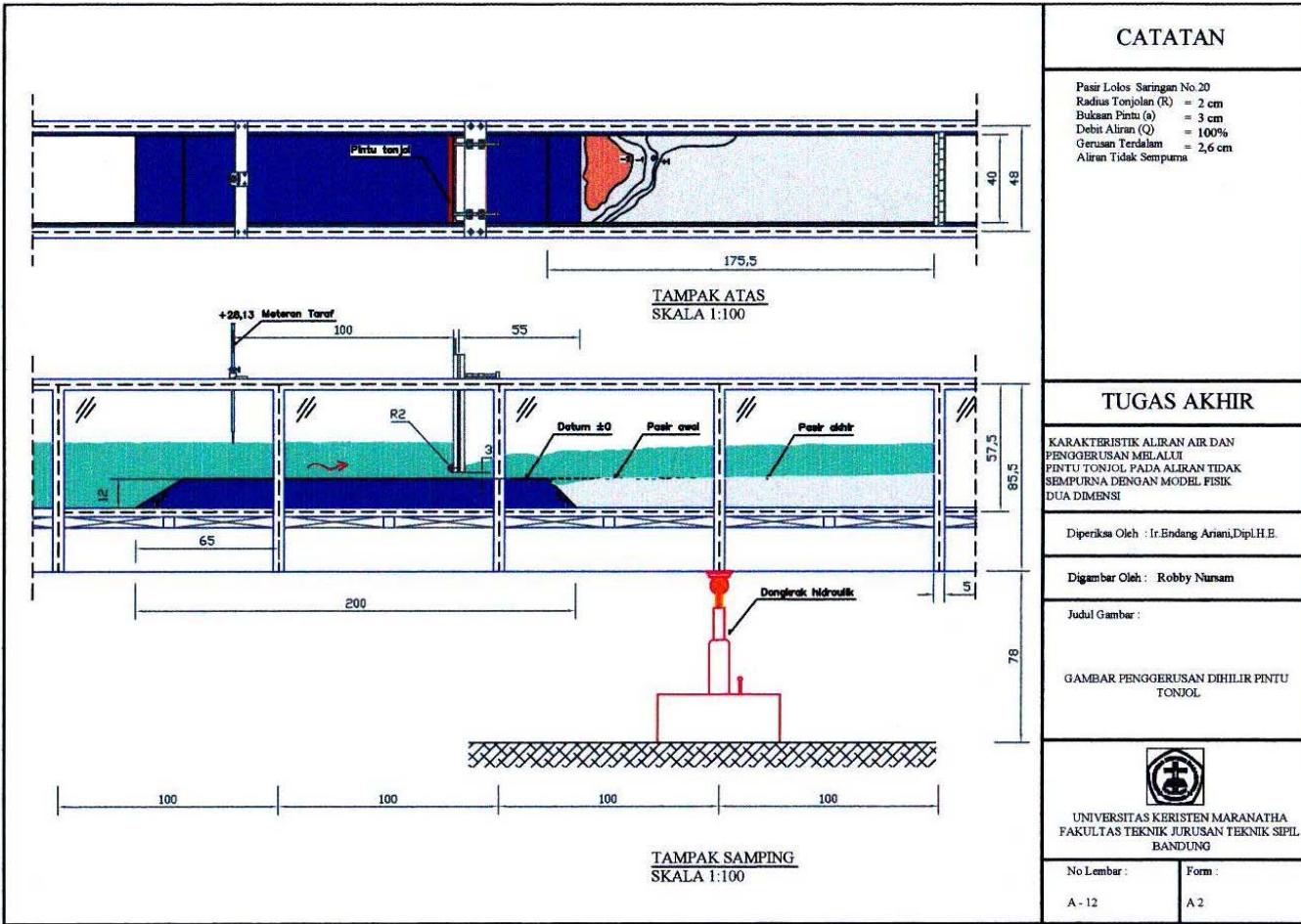


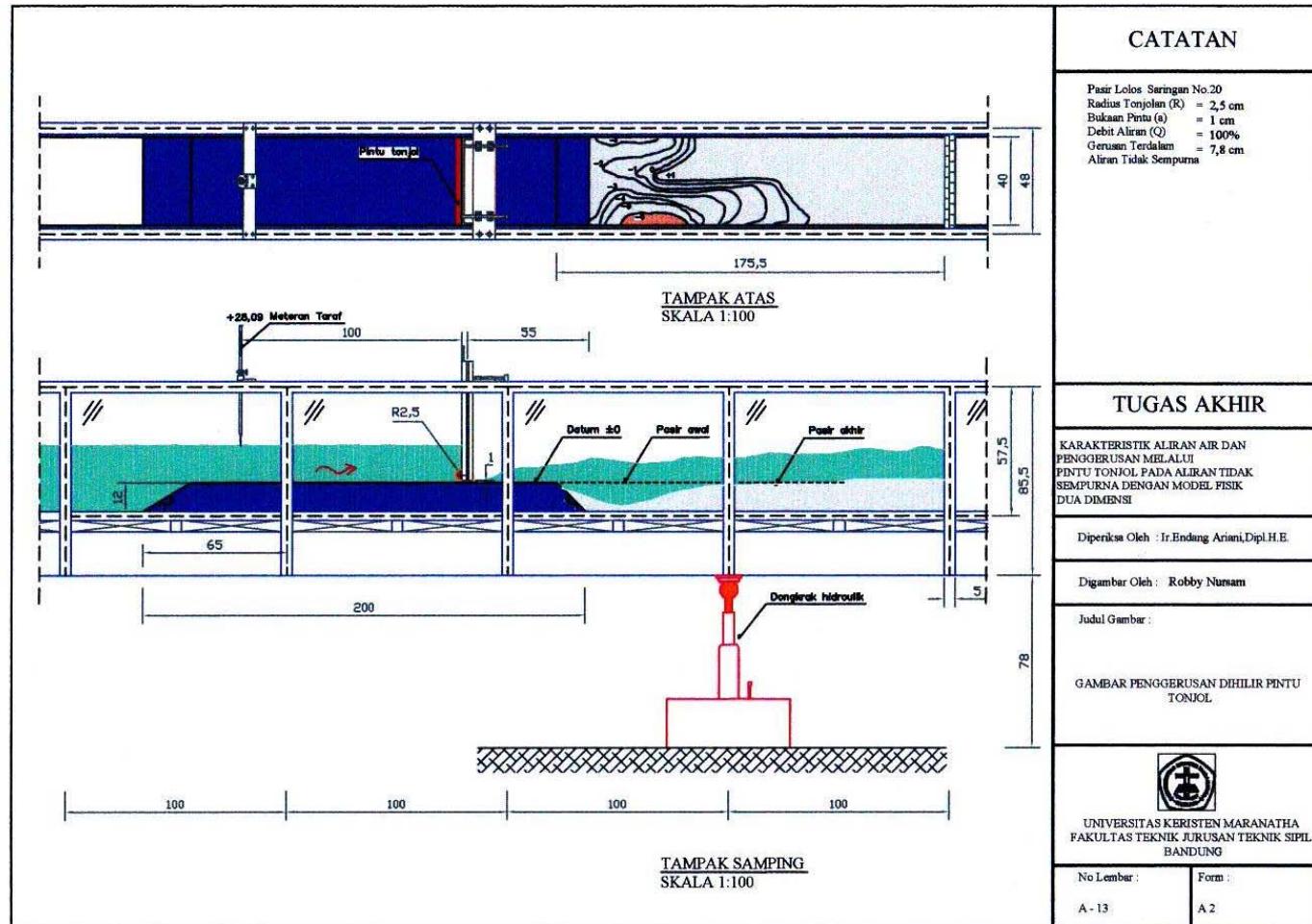


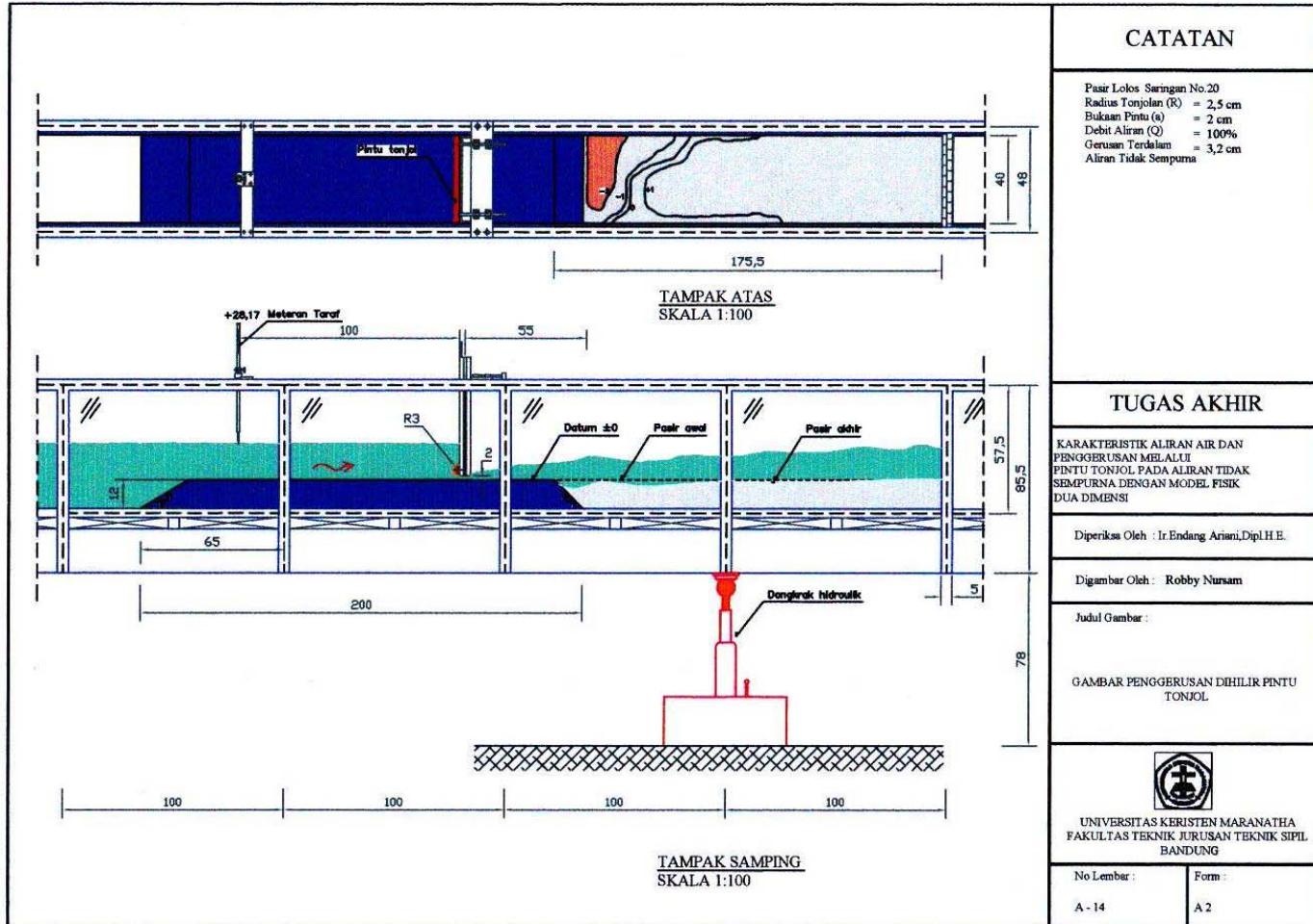


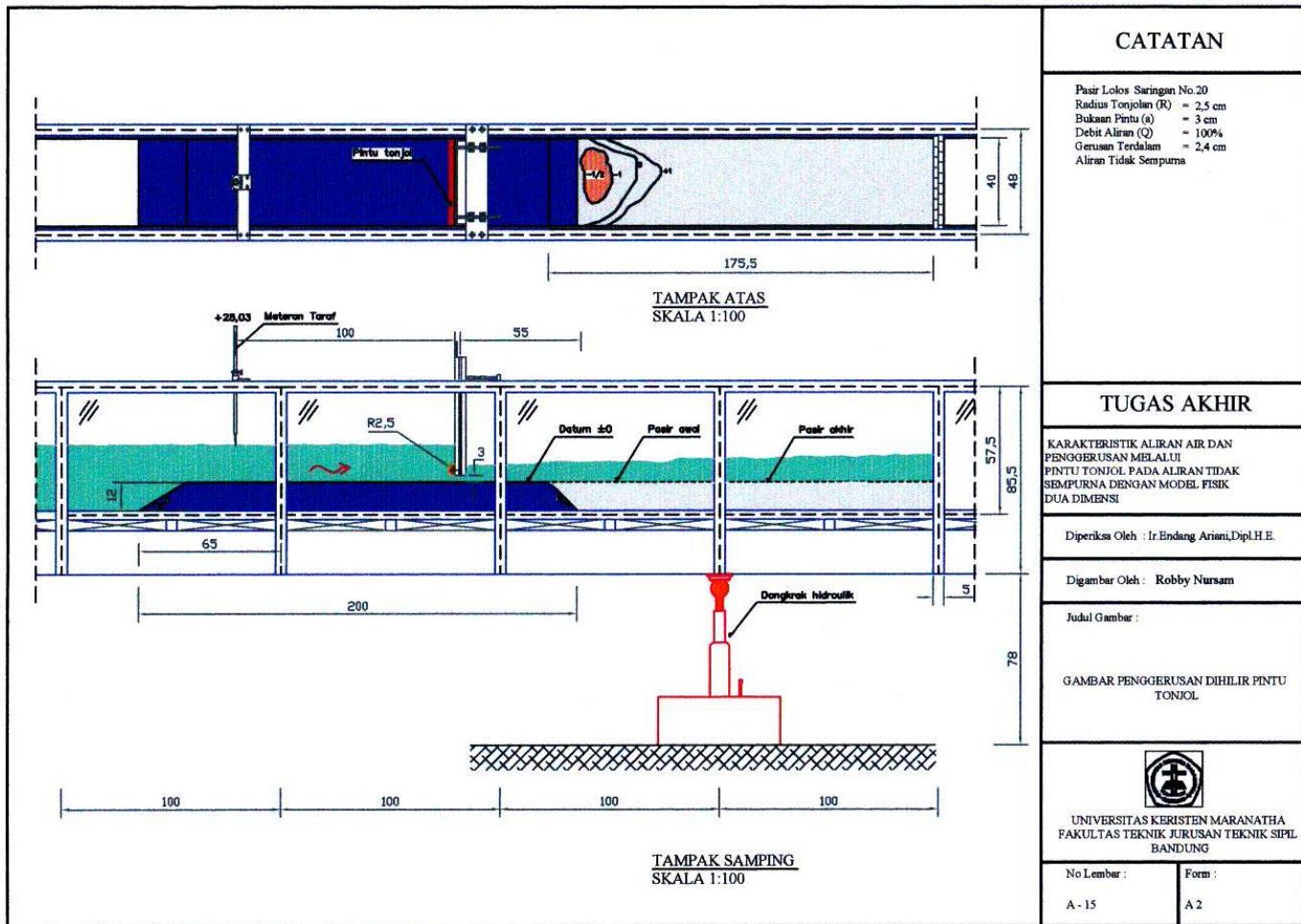
LAMPIRAN II
PENGERUSAN DI HILIR PINTU TONJOL
UNTUK JENIS PASIR B

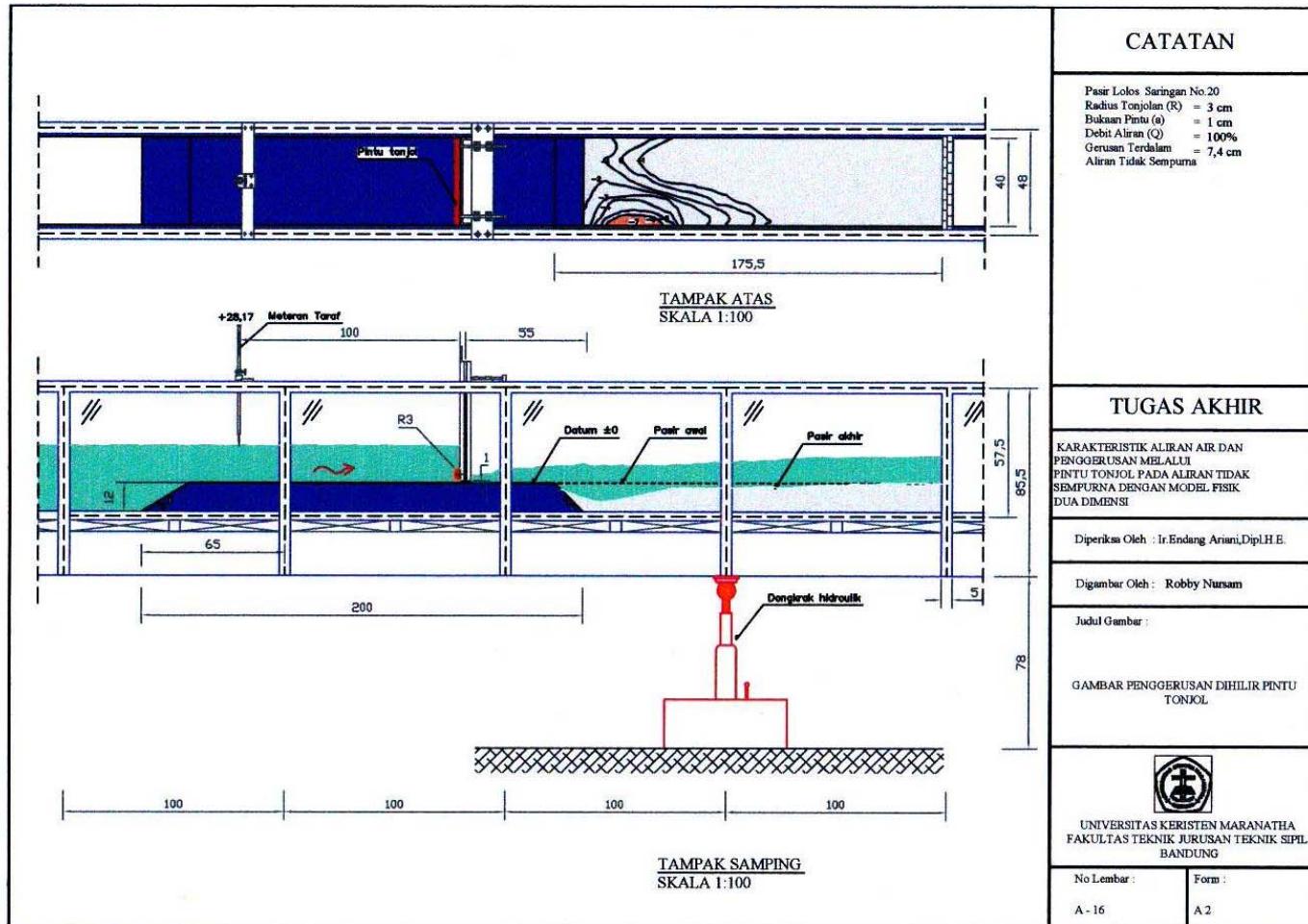


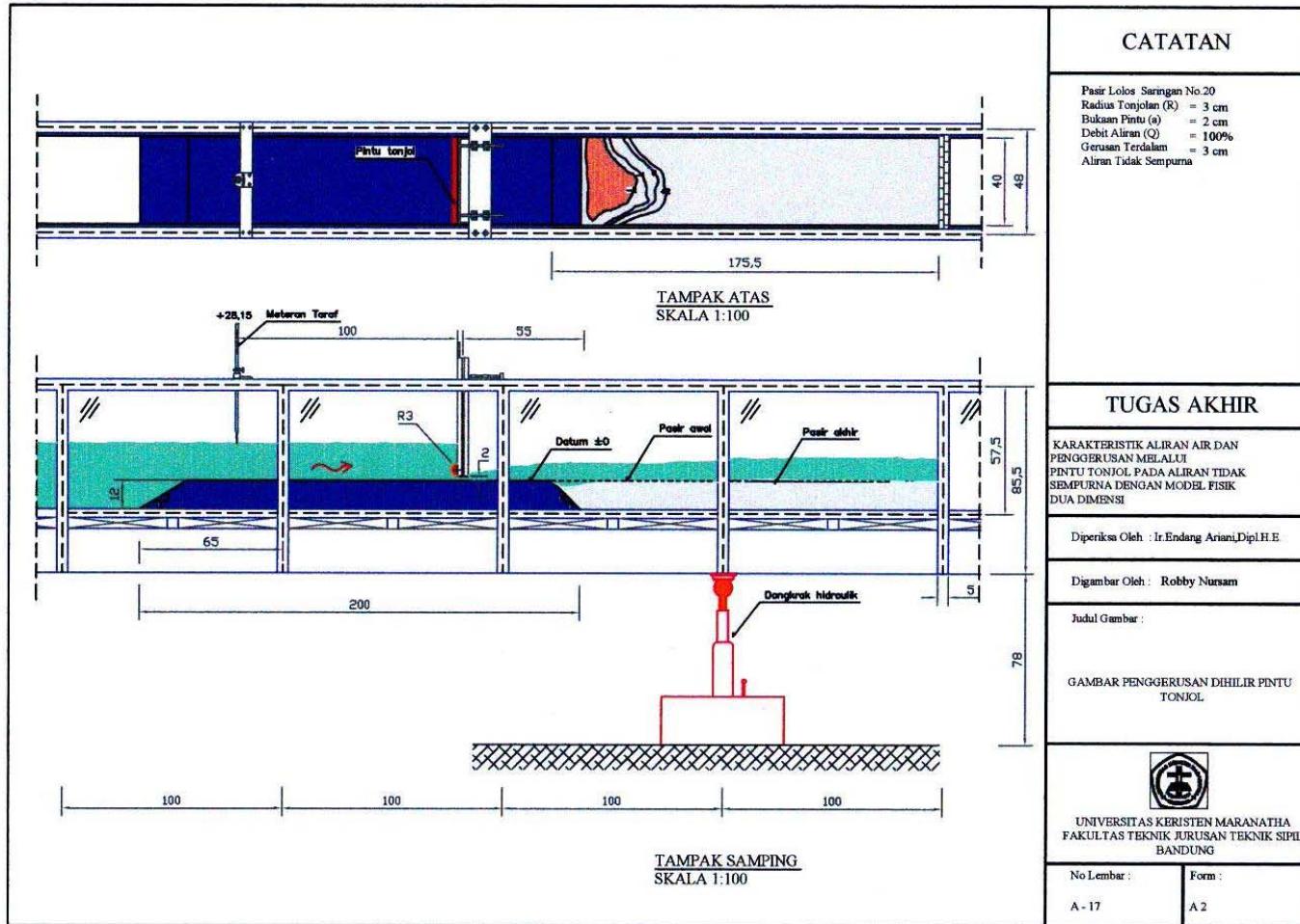


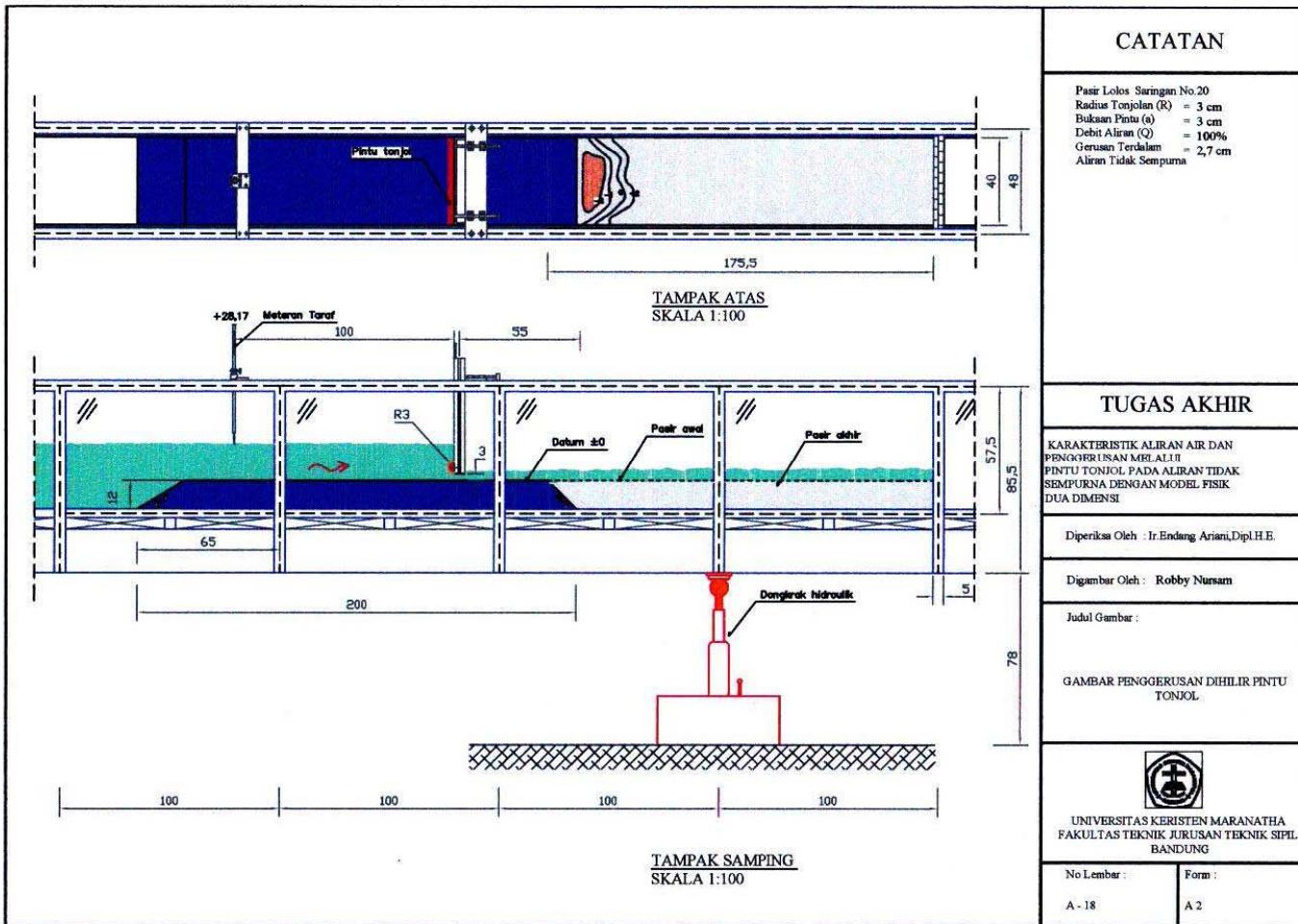












LAMPIRAN III

TABEL USCS (*Unified Soil Classification System*).

D 2487

		Soil Classification	
		Group	Group Name ^a
		Symbol	
Coarse-Grained Soils			
More than 50 % retained on No. 200 sieve	Gravels More than 50 % of coarse fraction retained on No. 4 sieve	Clean Gravels Less than 5 % fines ^c	Cu ≥ 4 and 1 ≤ Cc ≤ 3 ^e Cu < 4 and/or 1 > Cc > 3 ^f
	Gravels with Fines More than 12 % fines ^c	Fines classify as ML or MH	Fines classify as CL or CH
	Sands 50 % or more of coarse fraction passes No. 4 sieve	Clean Sands Less than 5 % fines ^d	Cu ≥ 6 and 1 ≤ Cc ≤ 3 ^e Cu < 6 and/or 1 > Cc > 3 ^f
		Sands with Fines More than 12 % fines ^d	Fines classify as ML or MH Fines classify as CL or CH
Fine-Grained Soils		inorganic	PI > 7 and plots on or above "A" line ^g PI < 4 or plots below "A" line ^h
50 % or more passes the No. 200 sieve	Silts and Clays Liquid limit less than 30	organic	Liquid limit – oven dried Liquid limit – not dried < 0.75
	Silts and Clays Liquid limit 30 or more	inorganic	PI plots on or above "A" line PI plots below "A" line
		organic	Liquid limit – oven dried < 0.75 Liquid limit – not dried < 0.75
Highly organic soils			
			Primarily organic matter, dark in color, and organic odor
			PT Peat
^a Based on the material passing the 1-in. (75-mm) sieve.			
^b If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.			
^c Gravels with 5 to 12 % fines require dual symbols:			
GW-GM well-graded gravel with clay			
GW-GC well-graded gravel with clay			
CL-IM poorly graded gravel with silt			
CL-IC poorly graded gravel with clay			
^d Sands with 5 to 12 % fines require dual symbols:			
SW-SM well-graded sand with silt			
SW-SC well-graded sand with clay			
SP-SM poorly graded sand with silt			
SP-SM poorly graded sand with clay			
^e If soil contains 15 to 29 % plus No. 200, add "with sand" or "with gravel," whichever is predominant.			
^f If soil contains > 30 % plus No. 200, predominantly sand.			
^g Add "sandy" to group name.			
^h If soil contains ≥ 30 % plus No. 200, predominantly gravel, add "gravelly" to group name.			
ⁱ PI > 4 and plots on or above "A" line.			
^j PI < 4 or plots below "A" line.			
^k If soil contains ≥ 15 % gravel, add "well graded" to group name.			
^l If soil contains < 15 % gravel, add "poorly graded" to group name.			
^m If Atterberg limits plot in hatched area, soil is a CL-ML silty clay.			