

ABSTRAK

CV Sanggar Tenda adalah sebuah perusahaan yang bergerak di bidang produksi tenda dan garment sebagai usaha utama, serta penyedia perlengkapan untuk kegiatan di luar ruangan (*outdoor activities*) yang berlokasi di area Cimahi Selatan. Instansi tersebut membutuhkan suatu analisis serta perancangan sistem berbasis *e-commerce*. Diharapkan dengan adanya sistem tersebut dapat memberikan suatu perubahan ke arah yang lebih positif di bidang penjualan maupun pemasaran pada bisnis usaha terkait. Hasil evaluasi dari pemakaian sistem menunjukkan bahwa seluruh hasil output yg dihasilkan dari proses transaksi data yang saling terintegrasi di antara berbagai pihak memiliki tingkat validitas sangat akurat serta telah memenuhi unsur dari efektifitas dan efisien.

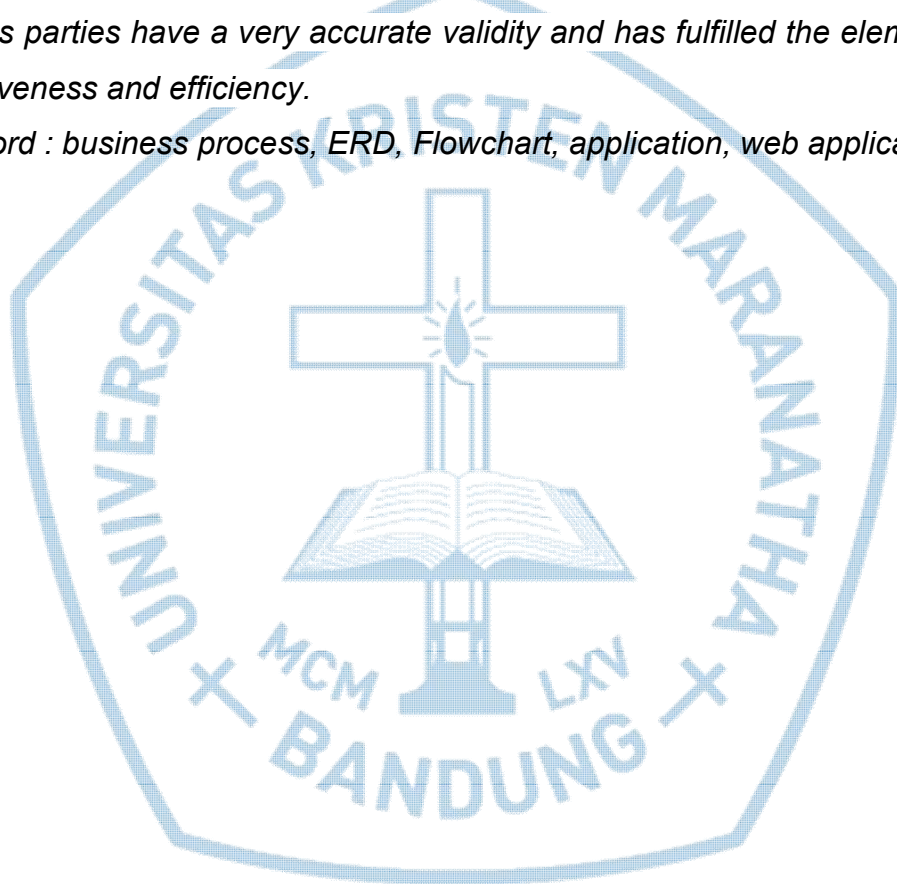
Kata kunci : Proses Bisnis, ERD, Flow Chart, Aplikasi, Web Aplikasi



ABSTRACT

CV Sanggar Tenda is a company engaged in the production of tent and garment as the main business, as well as equipment providers for outdoors activities which are located in South Cimahi. The agency requires an analysis and system design-based on e-commerce. Hopefully this system can make a change into more positive direction in sales and marketing of related business. The evaluation results based on the system use shows that all the output result which came from the integrated data transactions among the various parties have a very accurate validity and has fulfilled the elements of effectiveness and efficiency.

Keyword : business process, ERD, Flowchart, application, web application



DAFTAR ISI

LEMBAR PENGESAHAN	i
PERNYATAAN ORISINALITAS LAPORAN PENELITIAN	ii
PERNYATAAN PUBLIKASI LAPORAN PENELITIAN	iii
PRAKATA	iv
ABSTRAK	v
ABSTRACT	vi
DAFTAR ISI	vii
DAFTAR GAMBAR	x
DAFTAR TABEL	xiii
DAFTAR SINGKATAN	xv
DAFTAR SIMBOL	xvi
BAB 1. PENDAHULUAN	1
1.1 Latar Belakang Masalah	1
1.2 Rumusan Masalah	2
1.3 Tujuan Pembahasan	2
1.4 Ruang Lingkup Laporan	3
1.5 Ruang Lingkup Kajian	3
1.6 Sumber Data	4
1.7 Sistematika Penyajian	5
BAB 2. KAJIAN TEORI	7
2.1 Konsep Sistem Informasi	7
2.1.1 Konsep Dasar Sistem	7
2.1.2 Proses Bisnis	9
2.2 <i>Flowchart System</i>	9
2.2.1 <i>Flow Process Chart</i>	11
2.2.2 <i>Document Flowchart</i>	11
2.3 <i>Entity Relationship Diagram (ERD)</i>	11
2.3.1 <i>Komponen Entity Relationship Diagram (ERD)</i>	11

2.3.2	<i>Constraints</i>	14
2.3.3	<i>Weak Entity</i>	16
2.4	Pengertian <i>Database</i>	16
2.5	<i>E-Commerce</i>	17
BAB 3.	ANALISIS DAN RANCANGAN SISTEM.....	19
3.1	Proses Bisnis	19
3.2	<i>ERD (Entity Relationship Diagram)</i>	24
3.3	Tranformasi ER To Table	24
3.4	Perancangan Sketsa <i>User interface</i>	29
3.4.1	Halaman Public	29
3.4.2	Menu Customer	34
3.4.3	MENU <i>Supplier</i>	39
3.4.4	Menu Admin	41
3.5	Kamus Data	50
BAB 4.	HASIL IMPLEMENTASI.....	54
4.1	SITE MAP	54
4.2	HALAMAN HOME.....	54
4.3	HALAMAN Login	55
4.4	HALAMAN FORM REGISTRASI	60
4.5	HALAMAN <i>Forgot Password</i>	66
4.6	HALAMAN CUSTOMER.....	69
4.6.1	HALAMAN <i>Account Detail</i>	69
4.6.2	HALAMAN <i>Menu Edit Profile</i>	69
4.6.3	HALAMAN <i>Menu Catalogue</i>	73
4.6.4	HALAMAN <i>View Cart</i>	75
4.6.5	HALAMAN Invoice.....	76
4.6.6	HALAMAN <i>View Invoice</i>	76
4.7	HALAMAN SUPPLIER.....	77
4.7.1	HALAMAN <i>Menu Account Detail</i>	78
4.7.2	HALAMAN <i>Menu Edit Supplier</i>	78
4.7.3	HALAMAN <i>View Product</i>	81
4.8	HALAMAN ADMIN.....	81

4.8.1	HALAMAN <i>Account Detail</i>	82
4.8.2	HALAMAN <i>Edit Profile</i>	83
4.8.3	HALAMAN <i>View Customer</i>	86
4.8.4	HALAMAN <i>Menu View Product</i>	87
4.8.5	HALAMAN <i>View Supplier</i>	89
4.8.6	HALAMAN <i>View Invoice</i>	93
4.8.7	HALAMAN <i>View Admin</i>	95
4.8.8	HALAMAN <i>Add Admin</i>	96
BAB 5.	PEMBAHASAN DAN UJI COBA HASIL PENELITIAN	101
5.1	<i>Blackbox Testing</i>	101
5.1.1	Test Case <i>Login</i>	101
5.1.2	Test Case <i>Registrasi / Sign-Up (Customer)</i>	102
5.1.3	Test Case <i>Registrasi / Sign-Up (Supplier)</i>	108
5.1.4	Test Case <i>Edit Profile (Customer)</i>	113
5.1.5	Test Case <i>View Cart (Customer)</i>	117
5.1.6	Test Case <i>Add to Cart (Customer)</i>	119
5.1.7	Test Case <i>View Account Details</i>	119
5.1.8	Test Case <i>View Details Product (Customer)</i>	120
5.1.9	Test Case <i>View Invoice (Customer)</i>	120
5.1.10	Test Case <i>Edit Profile (Supplier)</i>	121
5.1.11	Test Case <i>View Product (Supplier)</i>	123
5.1.12	Test Case <i>View Product Detail(Supplier)</i>	123
5.1.13	Test Case <i>View Customer (Admin/SU)</i>	124
5.1.14	Test Case <i>View Product (Admin / SU)</i>	127
5.1.15	Test Case <i>View Supplier (Admin/SU)</i>	129
5.1.16	Test Case <i>View Invoice (Admin / SU)</i>	132
5.1.17	Test Case <i>Edit Profile (Admin / SU)</i>	134
5.1.18	Test Case <i>View Admin (SU)</i>	137
5.1.19	Test Case <i>Add Admin (SU)</i>	140
BAB 6.	SIMPULAN DAN SARAN	146
6.1	<i>Simpulan</i>	146
6.2	<i>Saran</i>	146

DAFTAR GAMBAR

Gambar 2.1 Keterkaitan	9
Gambar 2.2 <i>Flowchart System</i>	10
Gambar 2.3 Entitas	12
Gambar 2.4 Atribut	12
Gambar 2.5 <i>Simple Attribute dan Composite Attribute</i>	13
Gambar 2.6 <i>Multi-valued Attribute</i>	13
Gambar 2.7 <i>Derived Attribute</i>	13
Gambar 2.8 <i>One to one</i>	14
Gambar 2.9 <i>One to Many</i>	14
Gambar 2.10 <i>Many to one</i>	15
Gambar 2.11 <i>Many to many</i>	15
Gambar 2.12 Kardinalitas C	15
Gambar 3.1 <i>Flowchart</i> Penjualan dan Pembelian (Konvensional)	22
Gambar 3.2 <i>ERD</i> Sistem <i>E-Commerce</i> CV. Sanggar Tenda	24
Gambar 3.3 Halaman Home	30
Gambar 3.4 Halaman <i>Authentication</i>	31
Gambar 3.5 Halaman Registrasi (Customer)	32
Gambar 3.6 Halaman Registrasi (<i>Supplier</i>)	33
Gambar 3.7 Halaman <i>Catalogue</i>	34
Gambar 3.8 Halaman <i>Product Detail</i>	35
Gambar 3.9 Halaman Shopping Cart	36
Gambar 3.10 Halaman Invoice	37
Gambar 3.11 Halaman Edit Akun	38
Gambar 3.12 Halaman Edit Supplier	39
Gambar 3.13 Halaman View Supplier Product	40
Gambar 3.14 Halaman View Admin List (SU)	41

Gambar 3.15 Halaman View Supplier List (SU).....	42
Gambar 3.16 Halaman View Customer List.....	43
Gambar 3.17 Halaman View Invoice List.....	44
Gambar 3.18 Halaman Add Admin (SU).....	45
Gambar 3.19 Halaman Edit Profile	46
Gambar 3.20 Halaman <i>View Supplier Product</i>	47
Gambar 3.21 Halaman Add Supplier Product.....	48
Gambar 3.22 Halaman Edit Product	49
Gambar 4.1 <i>Site Map Web WINDBARRIER</i>	54
Gambar 4.2 Halaman HOME (home_page.php).....	55
Gambar 4.3 <i>Menu Login Customer / Supplier</i> (home-page.php)	56
Gambar 4.4 <i>Menu Login admin / super user</i> (Index_Adm.php)	56
Gambar 4.5 <i>Menu Login Customer / Supplier</i> (home-page.php)	57
Gambar 4.6 Berhasil <i>login</i> (Index_Adm.php / home_page.php)	59
Gambar 4.7 Form Registrasi <i>Customer / Supplier</i> (RegForm_WB.php)	60
Gambar 4.8 Halaman Forgot Password.....	66
Gambar 4.9 Halaman <i>Account Detail</i> (detCust.php).....	69
Gambar 4.10 Halaman <i>Edit Profile Customer</i> (eProfile_Cust.php)	70
Gambar 4.11 Halaman <i>Catalogue</i> (list_product.php).....	73
Gambar 4.12 Proses <i>Add to Cart</i> (list_product.php / detailProduct.php)	74
Gambar 4.13 Halaman Add <i>Cart</i>	75
Gambar 4.14 Halaman Shopping <i>Cart</i> (vCart_Cust.php).....	75
Gambar 4.15 Halaman Invoice (vInvoice_Cust.php).....	76
Gambar 4.16 Halaman <i>View Invoice</i> (vOwnInvoice.php).....	77
Gambar 4.17 Menu Navigasi <i>Supplier</i> (home_page.php)	77
Gambar 4.18 Halaman <i>Account Detail Supplier</i> (DetailSupp.php).....	78
Gambar 4.19 Halaman <i>Edit Supplier</i> (eProfile_Supp.php).....	79
Gambar 4.20 Halaman <i>Supplier Product</i> (listProd_Supp.php).....	81
Gambar 4.21 Halaman <i>Home Admin / Super User</i> (Index_Adm.php).....	82
Gambar 4.22 Halaman <i>Account Detail Admin</i> (detailAdm.php)	82
Gambar 4.23 Halaman <i>Edit Profile Admin</i> (eAdm_SU.php).....	83
Gambar 4.24 Proses <i>View Customer User</i> (vMember_Cust.php).....	86

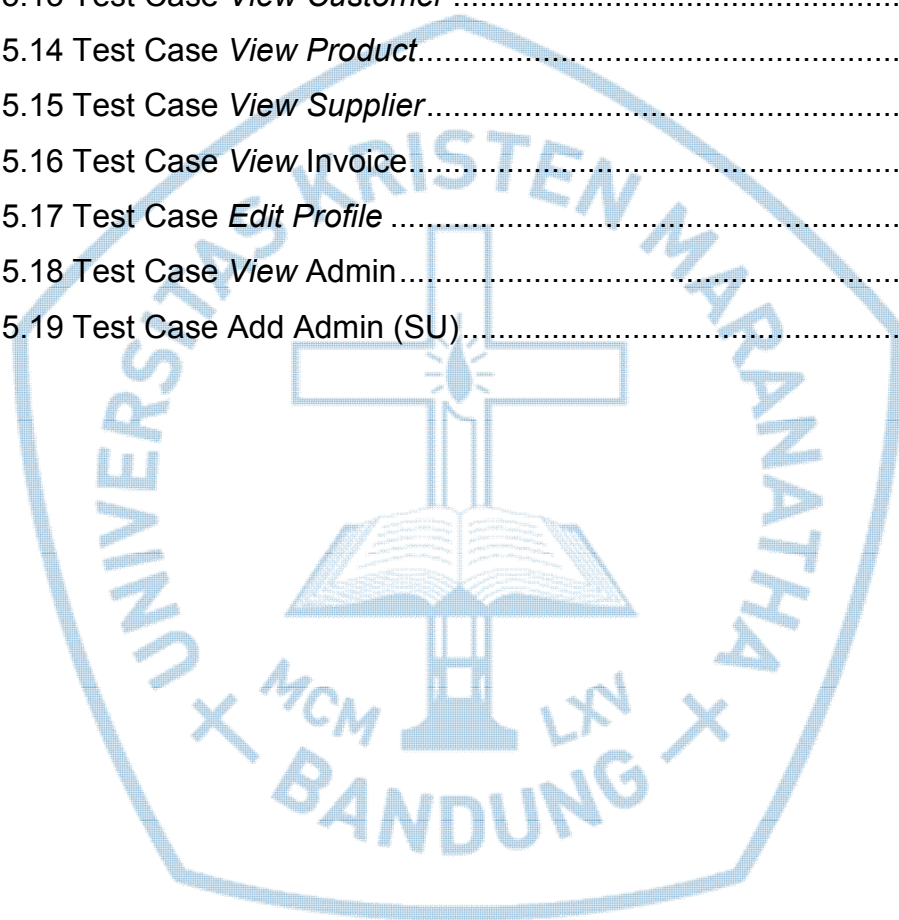
Gambar 4.25 Halaman <i>View Product</i>	88
Gambar 4.26 Halaman <i>View Supplier</i> (vMember_Supp.php)	89
Gambar 4.27 Halaman <i>Add New Product</i> (addProd_Supp.php).....	90
Gambar 4.28 Halaman <i>View Invoice</i> (vListInvo_Adm.php).....	93
Gambar 4.29 Halaman <i>Detail Invoice</i> (detInvo_Adm.php).....	94
Gambar 4.30 Dokumen <i>Bukti Transaksi</i>	95
Gambar 4.31 Halaman <i>View Admin</i> (vMember_Adm.php)	95
Gambar 4.32 Halaman <i>Add Admin</i> (addForm_Admin.php)	96



DAFTAR TABEL

Tabel 3.1 (wb_admin)	25
Tabel 3.2 (wb_cust)	25
Tabel 3.3 (wb_supp)	26
Tabel 3.4 (wb_prod).....	27
Tabel 3.5 (wb_order).....	28
Tabel 3.6 (wb_orderitem).....	29
Tabel 3.7 wb_cust.....	50
Tabel 3.8 wb_supp.....	50
Tabel 3.9 wb_prod	51
Tabel 3.10 wb_adm	51
Tabel 3.11 wb_order.....	52
Tabel 3.12 wb_orderitem	52
Tabel 4.1 Proses Registrasi Customer	60
Tabel 4.2 Proses Registrasi Supplier.....	63
Tabel 4.3 Proses Forgot Password Customer	66
Tabel 4.4 Proses Forgot Password (<i>Supplier</i>)	68
Tabel 4.5 Proses Edit Profile Customer	70
Tabel 4.6 Proses <i>Edit Profile Supplier</i>	79
Tabel 4.7 Proses <i>Edit Profile Admin</i>	84
Tabel 4.8 Proses <i>View Customer User</i>	87
Tabel 4.9 Proses <i>View Supplier Product</i>	88
Tabel 4.10 Proses <i>View Supplier User</i>	89
Tabel 4.11 Proses <i>Add New Product</i>	90
Tabel 4.12 View Invoice.....	93
Tabel 4.13 Proses <i>Add New Admin</i>	96
Tabel 5.1 Test Case Proses Login.....	101
Tabel 5.2 Test Case Registrasi / Sign-Up (<i>Customer</i>)	102
Tabel 5.3 Test Case Registrasi / Sign-Up (<i>Supplier</i>)	108
Tabel 5.4 Test Case <i>Edit Profile (Customer)</i>	113
Tabel 5.5 Test Case <i>View Cart</i>	117

Tabel 5.6 Test Case Add to <i>Cart</i>	119
Tabel 5.7 Test Case <i>View Account Details</i>	119
Tabel 5.8 Test Case <i>View Details Product</i>	120
Tabel 5.9 Test Case <i>View Invoice</i>	120
Tabel 5.10 Test Case <i>Edit Profile</i>	121
Tabel 5.11 Test Case <i>View Product</i>	123
Tabel 5.12 Test Case <i>View Product</i>	124
Tabel 5.13 Test Case <i>View Customer</i>	124
Tabel 5.14 Test Case <i>View Product</i>	127
Tabel 5.15 Test Case <i>View Supplier</i>	129
Tabel 5.16 Test Case <i>View Invoice</i>	133
Tabel 5.17 Test Case <i>Edit Profile</i>	134
Tabel 5.18 Test Case <i>View Admin</i>	137
Tabel 5.19 Test Case Add Admin (SU).....	140

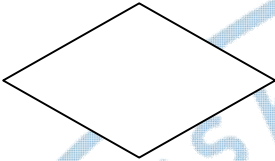
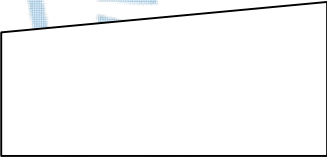
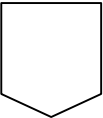


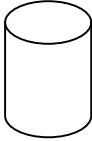
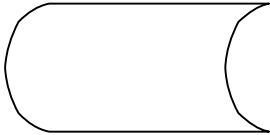
DAFTAR SINGKATAN

1. ERD = *Entity Relationship Diagram*
2. UID = *User Interface Design*
3. PHP = *Personal Home Page*
4. HTML = *HyperText Markup Language*
5. B2G = *Business-to-government*
6. B2C = *Business-to-consumer*



DAFTAR SIMBOL

Simbol	Deskripsi
	Proses yang dijalankan dengan tidak manual
	Pemrosesan secara manual yang dilakukan oleh manusia
	Keputusan dimana dua atau lebih alternatif
	Dokumen yang merupakan input atau output
	Cara menginput secara manual pada proses, contoh menginput keyboard
	Simbol konektor (penghubung)
	Simbol terminal yang mewakili tanda mulai (<i>start</i>)
	<i>Off-line</i> storage, penyimpanan <i>off-line</i> , yang tidak bisa dicapai oleh komputer

Simbol	Deskripsi
	<i>Database</i> (basis data) yang tersimpan dalam <i>magnetic disk storage</i>
	Informasi <i>input</i> atau <i>output</i> yang tersimpan di tempat penyimpanan

