

DAFTAR ISI

LEMBAR PENGESAHAN	i
LEMBAR PERNYATAAN ORISINALITAS	ii
ABSTRAK	iii
<i>ABSTRACT</i>	iv
KATA PENGANTAR	v
DAFTAR ISI.....	vii
DAFTAR GAMBAR	ix
DAFTAR TABEL.....	xi
Bab I Pendahuluan.....	1
I.1 Latar Belakang.....	1
I.2 Rumusan Masalah	5
I.3 Tujuan Penelitian.....	6
I.4 Manfaat Penelitian.....	6
I.5 Batasan Masalah.....	6
I.6 Sistematika Laporan	7
Bab II Kajian Teori	9
II.1 <i>Business Intelligence</i>	9
II.1.1 Komponen Utama <i>Business Intelligence</i>	9
II.1.2 Manfaat <i>Business Intelligence</i>	10
II.2 <i>Data Warehouse</i>	11
II.2.1 Model Dimensional	11
II.3 <i>Extraction, Transformation, Loading (ETL)</i>	12
II.3.1 MySQL.....	13
II.4 <i>Online Analytical Processing</i>	14
II.5 Metode <i>Business Dimensional Life Cycle</i>	14
II.6 Pentaho Data Integration	16
II.7 Tableau	16
II.8 <i>Dashboard</i>	18
II.9 Segmentasi.....	18
II.10 <i>State Of The Art</i>	20
Bab III Metode Penelitian	26
III.1 Model Konseptual	26
III.2 Sistematika Penelitian	27
III.2.1 Program <i>Project Planning</i>	28
III.2.2 <i>Business Requirement Definition</i>	30

III.2.3	<i>Technical Architecture Design</i>	31
III.2.4	<i>Dimensional Modelling</i>	31
III.2.5	<i>Physical Design</i>	31
III.2.6	<i>ETL Design and Development</i>	31
III.2.7	<i>BI Application Design</i>	31
III.2.8	<i>Validasi Dashboard</i>	32
III.2.9	<i>Evaluasi</i>	32
III.2.10	<i>Dokumentasi Dashboard</i>	32
III.2.11	<i>Penarikan Kesimpulan</i>	32
Bab IV	<i>Analisis Dan Perancangan</i>	33
IV.1	<i>Business Requirement</i>	33
IV.1.1	<i>Analisis Kebutuhan Bisnis</i>	33
IV.1.2	<i>Pengumpulan Data Kebutuhan Bisnis</i>	34
IV.1.3	<i>Analisis Sumber Data</i>	38
IV.2	<i>Technical Architecture Design</i>	45
IV.3	<i>Dimensional Modeling</i>	46
IV.4	<i>Physical Design</i>	48
IV.5	<i>ETL Design and Development</i>	49
IV.6	<i>Business Intelligence Application Design</i>	52
Bab V	<i>Implementasi</i>	57
V.1	<i>Implementasi ETL</i>	57
V.1.1	<i>ETL Data Basic</i>	58
V.1.2	<i>ETL Data Quota</i>	62
V.1.3	<i>ETL Tabel Layanan Internet</i>	68
V.1.4	<i>Dimensi Kuota</i>	75
V.1.5	<i>Dimensi Produk</i>	79
V.1.6	<i>Dimensi Konsumsi</i>	82
V.1.7	<i>Dimensi Wilayah</i>	85
V.1.8	<i>Fakta Transaksi</i>	89
V.2	<i>Implementasi Dashboard</i>	90
Bab VI	<i>Kesimpulan dan Saran</i>	96
VI.1	<i>Kesimpulan</i>	96
VI.2	<i>Saran</i>	97
DAFTAR PUSTAKA	98