

DAFTAR ISI

LEMBAR PENGESAHAN	ii
LEMBAR PERNYATAAN ORISINALITAS	iii
ABSTRAK	iv
ABSTRACT	v
KATA PENGANTAR	vi
DAFTAR ISI	viii
DAFTAR GAMBAR	xi
DAFTAR TABEL	xiii
DAFTAR SINGKATAN DAN LAMBANG	xiv
DAFTAR LAMPIRAN	xv
BAB I PENDAHULUAN	1
I.1 Latar Belakang	1
I.2 Rumusan Masalah	3
I.3 Tujuan Penelitian.....	3
I.4 Manfaat Penelitian.....	3
I.5 Batasan Penelitian	3
BAB II TINJAUAN PUSTAKA	4
II.1 Business Intelligence	4
II.1.1 Tools Business Intelligence	4
II.2 Data Warehouse	6
II.2.1 Arsitektur Data Warehouse	7
II.2.2 Bentuk Data Warehouse	9
II.2.3 Struktur Data Warehouse.....	11
II.2.4 Model Dimensional	12
II.2.5 Star Schema	13
II.2.6 Snowflake Schema	13
II.2.7 MySQL	14
II.3 ETL (Extraction, Transformation, Loading)	14
II.4 OLTP (Online Transactional Processing)	14
II.5 OLAP (Online Analytical Processing)	15
II.6 Inventory	15

II.7	Data Mining	16
II.8	Business Dimensional Life Cycle	17
BAB III	METODOLOGI PENELITIAN	19
III.1	Konseptual Model	19
III.2	Sistematikan Penelitian	20
III.2.1	Program Project Planning	22
III.2.2	Business Requirement Definition	23
III.2.3	Technical Architecture Design	23
III.2.4	Installation	24
III.2.5	Dimensional modeling	24
III.2.6	Physical Design	24
III.2.7	ETL Design & Development	24
III.2.8	BI Application Design	24
III.2.9	BI Application Development	25
III.2.10	Program/Project Management	25
BAB IV	ANALISIS DAN PERANCANGAN	26
IV.1	Business Requirement Definition	26
IV.1.1	Identifikasi Proses Bisnis	26
IV.1.2	Analisis Kebutuhan Bisnis	27
IV.1.3	Pengumpulan Data Kebutuhan Bisnis	28
IV.1.4	Analisis Sumber Data	28
IV.2	Technology Track	29
IV.2.1	Technology Architecture Design	29
IV.2.2	Product Selection and Installation	30
IV.3	Data Track	31
IV.3.1	Dimensional Modelling	31
IV.3.2	Physical Design	37
IV.3.3	ETL Design and Development	37
IV.4	Business Intelligence Track	39
IV.4.1	Business Intelligence Application Design	40
IV.4.2	Business Intelligence Application Development	42
BAB V	IMPLEMENTASI	51
V.1	Implementasi ETL	51
V.1.1	Dimensi Waktu	51

V.1.2	Dimensi Produk	51
V.1.3	Dimensi Gudang	52
V.1.4	Fakta Stok	52
V.1.5	Fakta Stock Move	52
V.1.6	Arff Output	53
V.1.7	Job Inventory Management	53
V.2	Implementasi Dashboard	54
V.2.1	Home Dashboard	54
V.2.2	Manajemen Stok Inventory	58
V.2.3	Performa Pengelolaan Invetory	61
V.2.4	Halaman Produk	64
V.3	Implementasi Data Mining	67
BAB VI	KESIMPULAN DAN SARAN	73
VI.1	Kesimpulan	73
VI.2	Saran	73

LAMPIRAN-LAMPIRAN