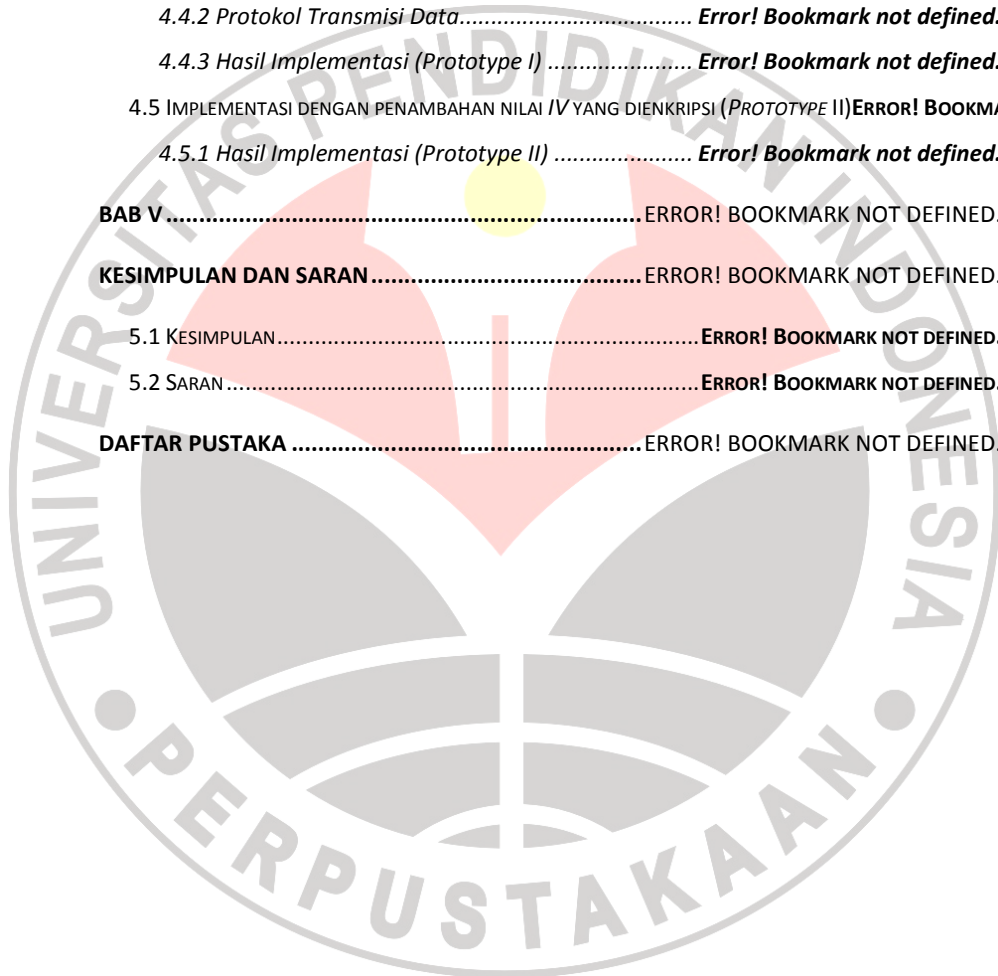


DAFTAR ISI

| | |
|--|-------------------------------------|
| BAB I | ERROR! BOOKMARK NOT DEFINED. |
| PENDAHULUAN | ERROR! BOOKMARK NOT DEFINED. |
| 1.1 LATAR BELAKANG | ERROR! BOOKMARK NOT DEFINED. |
| 1.2 PERUMUSAN MASALAH | ERROR! BOOKMARK NOT DEFINED. |
| 1.2.1 Batasan Masalah | <i>Error! Bookmark not defined.</i> |
| 1.3 TUJUAN PENELITIAN | ERROR! BOOKMARK NOT DEFINED. |
| 1.4 MANFAAT PENELITIAN | ERROR! BOOKMARK NOT DEFINED. |
| 1.5 METODOLOGI PENELITIAN | ERROR! BOOKMARK NOT DEFINED. |
| 1.6 SISTEMATIKA PENULISAN | ERROR! BOOKMARK NOT DEFINED. |
| BAB II | ERROR! BOOKMARK NOT DEFINED. |
| TINJAUAN PUSATAKA | ERROR! BOOKMARK NOT DEFINED. |
| 2.1 KRIPTOGRAFI | ERROR! BOOKMARK NOT DEFINED. |
| 2.2 ALGORITMA KRIPTOGRAFI | ERROR! BOOKMARK NOT DEFINED. |
| 2.3 JENIS-JENIS ALGORITMA KRIPTOGRAFI | ERROR! BOOKMARK NOT DEFINED. |
| 2.4 ALGORITMA SIMETRI | ERROR! BOOKMARK NOT DEFINED. |
| 2.4.1 ALGORITMA RC4 | ERROR! BOOKMARK NOT DEFINED. |
| 2.5 ALGORITMA ASIMETRI | ERROR! BOOKMARK NOT DEFINED. |
| 2.6 FUNGSI HASH | ERROR! BOOKMARK NOT DEFINED. |
| 2.6.1 MD5 | <i>Error! Bookmark not defined.</i> |
| 2.7 BASIS DATA | ERROR! BOOKMARK NOT DEFINED. |
| 2.7.1 Structured Query Language (SQL) | <i>Error! Bookmark not defined.</i> |
| 2.7.2 Keamanan Basis Data | <i>Error! Bookmark not defined.</i> |
| 2.8 SERANGAN PADA JARINGAN | ERROR! BOOKMARK NOT DEFINED. |
| BAB III | ERROR! BOOKMARK NOT DEFINED. |
| METODOLOGI PENELITIAN | ERROR! BOOKMARK NOT DEFINED. |
| 3.1 ALAT DAN BAHAN PENELITIAN | ERROR! BOOKMARK NOT DEFINED. |
| 3.2 DESAIN PENELITIAN | ERROR! BOOKMARK NOT DEFINED. |
| 3.3 METODE PENELITIAN | ERROR! BOOKMARK NOT DEFINED. |
| 3.3.1 Metode Pengumpulan Data | <i>Error! Bookmark not defined.</i> |
| 3.3.2 Metode Pembangunan Perangkat Lunak | <i>Error! Bookmark not defined.</i> |
| 3.4 IMPLEMENTASI | ERROR! BOOKMARK NOT DEFINED. |
| BAB IV | ERROR! BOOKMARK NOT DEFINED. |

| | |
|---|-------------------------------------|
| HASIL PENELITIAN DAN PEMBAHASAN | ERROR! BOOKMARK NOT DEFINED. |
| 4.1 ANALISIS PERMASALAHAN | ERROR! BOOKMARK NOT DEFINED. |
| 4.2 SOLUSI PERMASALAHAN | ERROR! BOOKMARK NOT DEFINED. |
| 4.3 SOLUSI ENKRIPSI DENGAN ALGORITMA KRIPTOGRAFI RC4 | ERROR! BOOKMARK NOT DEFINED. |
| 4.3.1 Kecepatan Algoritma Kriptografi RC4..... | <i>Error! Bookmark not defined.</i> |
| 4.3.2 Keamanan Algoritma Kriptografi RC4..... | <i>Error! Bookmark not defined.</i> |
| 4.4 IMPLEMENTASI ALGORITMA KRIPTOGRAFI RC4 (PROTOTYPE I)..... | ERROR! BOOKMARK NOT DEFINED. |
| 4.4.1 Manajemen Kunci | <i>Error! Bookmark not defined.</i> |
| 4.4.2 Protokol Transmisi Data..... | <i>Error! Bookmark not defined.</i> |
| 4.4.3 Hasil Implementasi (Prototype I) | <i>Error! Bookmark not defined.</i> |
| 4.5 IMPLEMENTASI DENGAN PENAMBAHAN NILAI IV YANG DIENKRIPSI (PROTOTYPE II)..... | ERROR! BOOKMARK NOT DEFINED. |
| 4.5.1 Hasil Implementasi (Prototype II) | <i>Error! Bookmark not defined.</i> |
| BAB V | ERROR! BOOKMARK NOT DEFINED. |
| KESIMPULAN DAN SARAN | ERROR! BOOKMARK NOT DEFINED. |
| 5.1 KESIMPULAN | ERROR! BOOKMARK NOT DEFINED. |
| 5.2 SARAN | ERROR! BOOKMARK NOT DEFINED. |
| DAFTAR PUSTAKA | ERROR! BOOKMARK NOT DEFINED. |



DAFTAR GAMBAR

- Gambar 1.1 Gambaran Umum Implementasi **Error! Bookmark not defined.**
- Gambar 2.1 Gambaran umum Kriptografi. **Error! Bookmark not defined.**
- Gambar 3.1 Desain Penelitian..... **Error! Bookmark not defined.**
- Gambar 3.2 Urutan proses tipikal untuk pendekatan berorientasi objek menurut Pressman **Error! Bookmark not defined.**
- Gambar 3.3 Gambaran Umum Perangkat Lunak **Error! Bookmark not defined.**
- Gambar 4.1 Arsitektur KoKiNe **Error! Bookmark not defined.**
- Gambar 4.2 Masalah Keamanan Pengaksesan Basis Data **Error! Bookmark not defined.**
- Bookmark not defined.**
- Gambar 4.3 Fokus Permasalahan **Error! Bookmark not defined.**
- Gambar 4.4 Rancangan Implementasi Modul **Error! Bookmark not defined.**
- Gambar 4.5 Masukkan kunci utama user ('a') **Error! Bookmark not defined.**
- Gambar 4.6 Masukkan kunci utama user ('aaa') **Error! Bookmark not defined.**
- Gambar 4.7 Masukkan Kunci utama berupa nilai *Hashing* **Error! Bookmark not defined.**
- Gambar 4.8 Kunci utama (K) yang digunakan harus sama **Error! Bookmark not defined.**
- Gambar 4.9 Protokol Inisialisasi kunci..... **Error! Bookmark not defined.**
- Gambar 4.10 Protokol mengganti kunci **Error! Bookmark not defined.**
- Gambar 4.11 Protokol eksekusi *query* yang tidak *me-retrieve* data **Error! Bookmark not defined.**
- Gambar 4.12 Protokol eksekusi *query* yang *me-retrieve* nilai **Error! Bookmark not defined.**
- Gambar 4.13 Data *query* selama transmisi sebelum dienkripsi **Error! Bookmark not defined.**
- Gambar 4.14 Data hasil *query* sebelum dienkripsi **Error! Bookmark not defined.**
- Gambar 4.15 Data *query* setelah dienkripsi **Error! Bookmark not defined.**
- Gambar 4.16 Data hasil *query* setelah dienkripsi **Error! Bookmark not defined.**
- Gambar 4.17 Enkripsi dengan penambahan nilai *IV* pada kunci utama (K) **Error! Bookmark not defined.**
- Gambar 4.18 Rancangan Implementasi (*Prototipe II*) **Error! Bookmark not defined.**
- Gambar 4.19 *Cipherteks* data *query* dan nilai *IV* **Error! Bookmark not defined.**
- Gambar 4.20 *Cipherteks* data hasil *query* dan nilai *IV* **Error! Bookmark not defined.**

DAFTAR TABEL

- Tabel 1.1 Hasil Pengujian di *Delphi* 1.0 pada *Windows for Workgroups* 3.11 **Error! Bookmark not defined.**
- Tabel 1.2 Hasil Pengujian di *Delphi* 4.0 pada *Windows* 95, kecuali *Pentium Pro* pada *Windows NT 4.0 Server* (Sukmawan, 1998) **Error! Bookmark not defined.**
- Tabel 4.1 Hasil Pengujian Kecepatan RC4 di *Delphi* 1.0 pada *Windows for Workgroups* 3.11 (Sukmawan, 1998)..... **Error! Bookmark not defined.**
- Tabel 4.2 Hasil Pengujian Kecepatan RC4 di *Delphi* 4.0 pada *Windows* 95, kecuali *Pentium Pro* pada *Windows NT 4.0 Server* (Sukmawan, 1998) **Error! Bookmark not defined.**
- Tabel 4.3 Perbandingan Kecepatan Algoritma Simetri pada *Pentium II* (Stallings, 2003, hal. 191)..... **Error! Bookmark not defined.**
- Tabel 4.4 Perbandingan Kecepatan Algoritma *Stream Cipher* pada Prosesor 33MHz 486SX (Schneier, 1996, hal. 349) **Error! Bookmark not defined.**
- Tabel 4.5 Perbandingan Kasar Keamanan Algoritma Kriptografi Simetri (Tanenbaum, 2003, hal. 751) **Error! Bookmark not defined.**
- Tabel 4.6 Serangan *Brute-force* pada DES **Error! Bookmark not defined.**
- Tabel 4.7 Serangan *Brute-force* pada RC4 **Error! Bookmark not defined.**