



# Kriptografi

INF5513

## **TUGAS 1 KRIPTOGRAFI : Program dengan antarmuka (GUI) berbasis web**

Kelompok 15 :

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### A. Tampilan Antarmuka

Berikut adalah tampilan antarmuka dari program yang telah dibuat:

## Tugas 1 Kriptografi Kelompok 15

Choose Cipher Method:

Vigenere Cipher

Key:

hai

Input Text:

Halo Dunia

Upload a File:

Choose File

No file chosen

Encrypt

Decrypt

## B. Contoh Plainteks dan Cipherteks

### 1. Vigenere Cipher

#### Teks Enkripsi

### Tugas 1 Kriptografi Kelompok 15

Choose Cipher Method:

Vigenere Cipher

Key:

hai

Input Text:

Halo Dunia

Upload a File:

Choose File No file chosen

Encrypt

Decrypt

Encrypted Text: OATV DCUII

### Tugas 1 Kriptografi Kelompok 15

Choose Cipher Method:

Vigenere Cipher

Key:

hai

Input Text:

OATV DCUII

Upload a File:

Browse... No file selected.

Encrypt

Decrypt

Decrypted Text: HALO DUNIA

## 2. Autokey Vigenere Cipher Teks Enkripsi

### Tugas 1 Kriptografi Kelompok 15

Choose Cipher Method:

Auto-Key Vigenere Cipher

Key:

hai

Input Text:

Morning

Upload a File:

Choose File No file chosen

Encrypt

Decrypt

Encrypted Text: TOZAQAM

### Tugas 1 Kriptografi Kelompok 15

Choose Cipher Method:

Auto-Key Vigenere Cipher

Key:

hai

Input Text:

TOZAQAM

Upload a File:

Browse... No file selected.

Encrypt

Decrypt

Decrypted Text: MOROCJY

### 3. Playfair Cipher Teks Enkripsi

### Tugas 1 Kriptografi Kelompok 15

Choose Cipher Method:

Playfair Cipher

Key:

hai

Input Text:

Sunday

Upload a File:

Choose File No file chosen

Encrypt

Decrypt

Encrypted Text: TQLFBW

### Tugas 1 Kriptografi Kelompok 15

Choose Cipher Method:

Playfair Cipher

Key:

hai

Input Text:

TQLFBW

Upload a File:

Browse... No file selected.

Encrypt

Decrypt

Decrypted Text: SUNDAY

### C. Link Repository

<https://github.com/DellaEliyana/tugas-Kriptografi-kelompok-15.git>

### D. Keterangan Keberhasilan Program

No	Spek	Berhasil (✓)	Kurang Berhasil (✓)	Keterangan
1.	<i>Vigenere Cipher</i> standard (26huruf alfabet)	✓		
2.	Varian <i>Vigenere Cipher</i> standard (26 huruf alfabet): <i>Auto-Key Vigenere Cipher</i>		✓	Bagian decryptnya belum sesuai
3.	<i>Playfair Cipher</i> (26 hurufalfabet)	✓		
4.	<i>Hill Cipher</i> (26 huruf alfabet)		✓	
5.	Super Ekripsi		✓	

