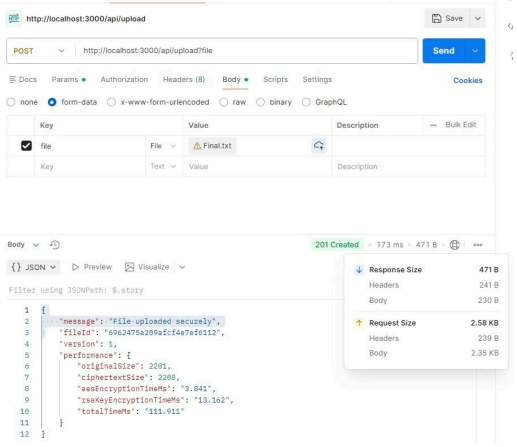
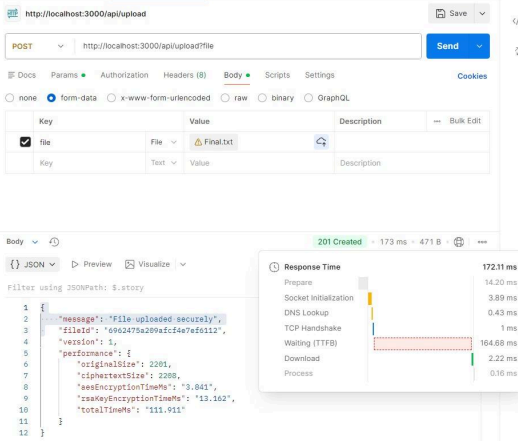
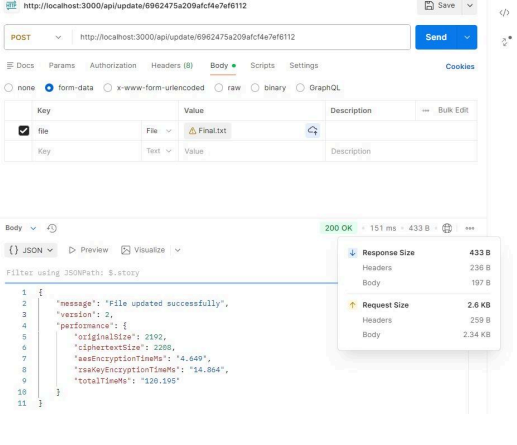
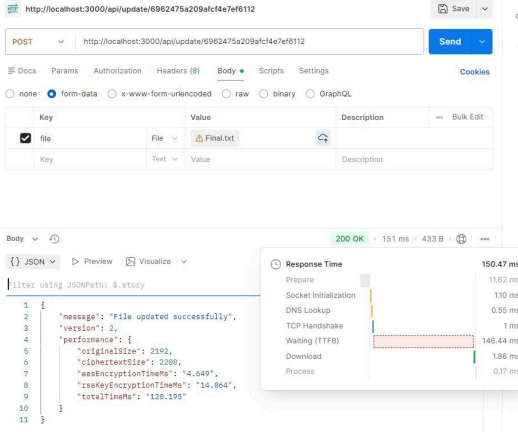
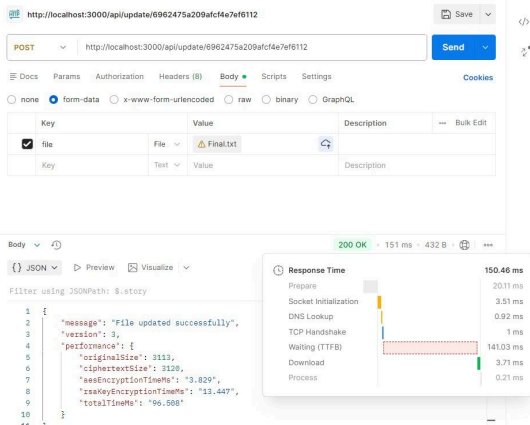
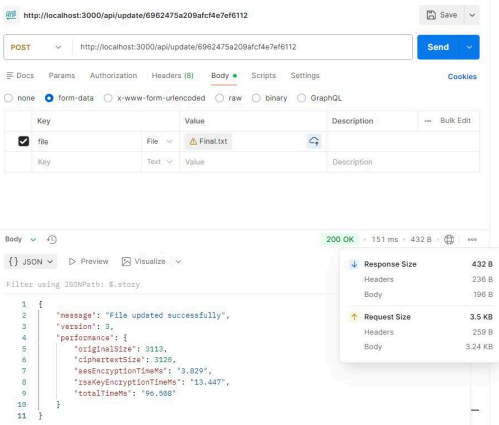
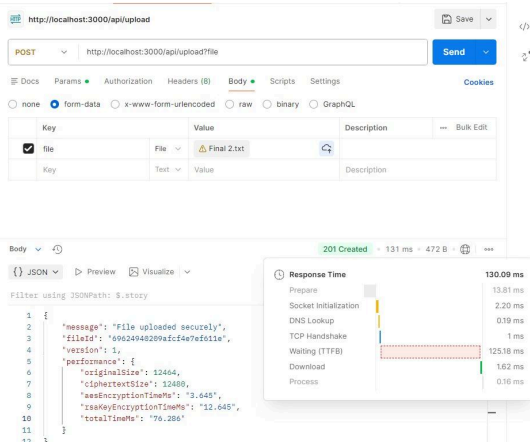
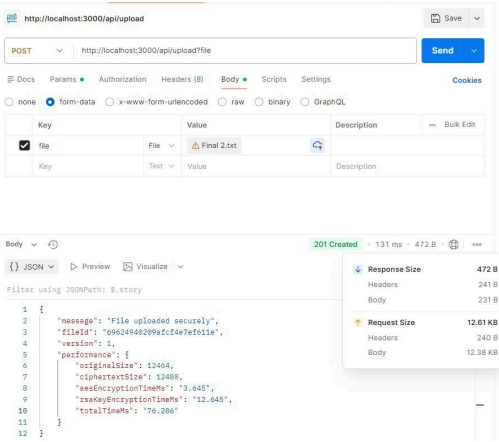


NAMA	REQUEST/RESPONSE SIZE (SS)	RESPONSE TIME(SS)
teks kecil.txt (version 1) 2.18KB	 <p>201 Created · 173 ms · 471 B</p> <p>Response Size: 471 B Headers: 241 B Body: 230 B</p> <p>Request Size: 2.58 KB Headers: 239 B Body: 2.35 KB</p>	 <p>172.11 ms</p> <p>Response Time breakdown: Prepare: 14.20 ms Socket Initialization: 3.89 ms DNS Lookup: 0.43 ms TCP Handshake: 1 ms Waiting (TTFB): 164.68 ms Download: 2.22 ms Process: 0.16 ms</p>
teks kecil.txt (Version 2) modified paragraph	 <p>200 OK · 151 ms · 433 B</p> <p>Response Size: 433 B Headers: 236 B Body: 197 B</p> <p>Request Size: 2.6 KB Headers: 239 B Body: 2.34 KB</p>	 <p>150.47 ms</p> <p>Response Time breakdown: Prepare: 11.62 ms Socket Initialization: 110 ms DNS Lookup: 0.55 ms TCP Handshake: 1 ms Waiting (TTFB): 145.44 ms Download: 1.86 ms Process: 0.17 ms</p>

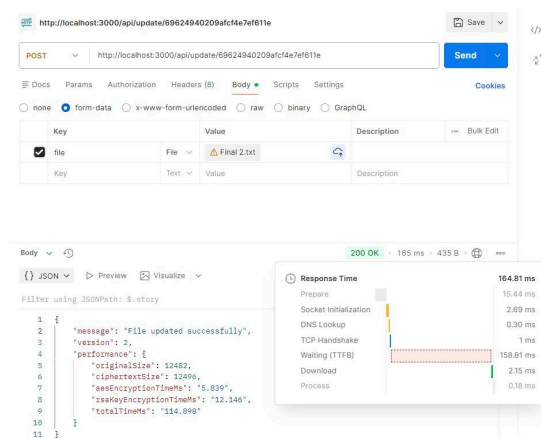
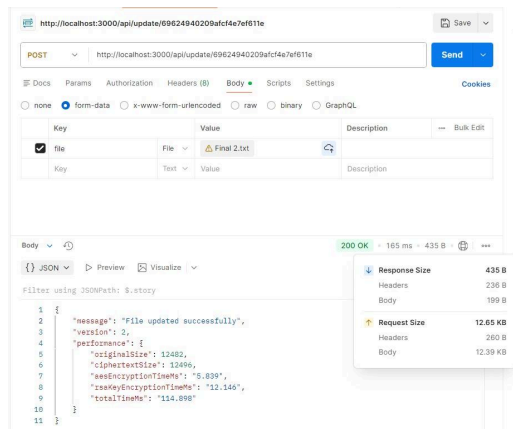
teks kecil.txt  
(Version 3) text added



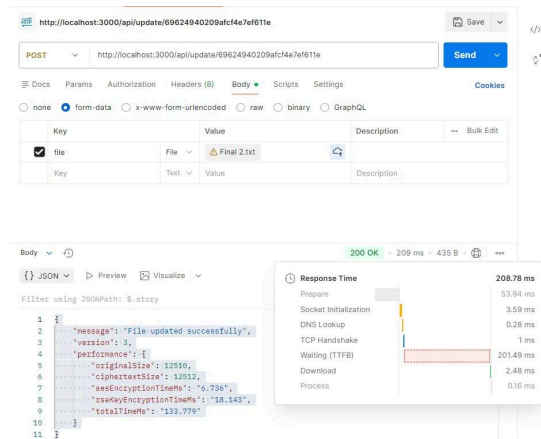
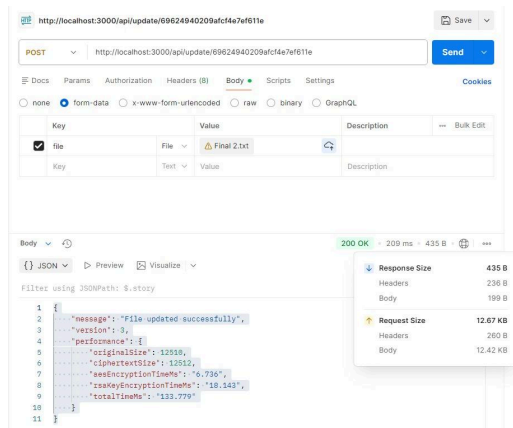
teks kecil-2.txt  
(Version 1)  
12.2KB



teks kecil-2.txt  
(Version 2)  
modified paragraph  
12.2KB



teks kecil-2.txt  
(Version 3)  
added text  
12.2KB



dokumen-sedang.docx  
(version 1)  
444KB

API Network interface showing a POST request to `http://localhost:3000/api/upload`. The request body is a file named `Modul&_HasanYusuMuizz_010...`. The response is a JSON object with status `201 Created`, indicating successful upload.

**Request Details:**

- Method: POST
- URL: `http://localhost:3000/api/upload?file`
- Body Type: form-data
- File: `Modul&_HasanYusuMuizz_010...`

**Response Details:**

- Status: 201 Created
- Response Size: 475 B
- Request Size: 444.03 KB

**Response Body (JSON):**

```
1 {
2   "message": "File uploaded securely",
3   "fileId": "6964d21042b9ea7d81d8e7b2",
4   "version": 1,
5   "performance": {
6     "originalSize": 454145,
7     "ciphertextSize": 454160,
8     "aesEncryptionTimeMs": "5.932",
9     "rsaKeyEncryptionTimeMs": "15.500",
10    "totalTimeMs": "113.665"
11  }
12 }
```

API Network interface showing a POST request to `http://localhost:3000/api/upload`. The request body is a file named `Modul&_HasanYusuMuizz_010...`. The response is a JSON object with status `201 Created`, indicating successful upload.

**Request Details:**

- Method: POST
- URL: `http://localhost:3000/api/upload?file`
- Body Type: form-data
- File: `Modul&_HasanYusuMuizz_010...`

**Response Details:**

- Status: 201 Created
- Response Time: 176.31 ms

**Response Body (JSON):**

```
1 {
2   "message": "File uploaded securely",
3   "fileId": "6964d21042b9ea7d81d8e7b2",
4   "version": 1,
5   "performance": {
6     "originalSize": 454145,
7     "ciphertextSize": 454160,
8     "aesEncryptionTimeMs": "5.932",
9     "rsaKeyEncryptionTimeMs": "15.500",
10    "totalTimeMs": "113.665"
11  }
12 }
```

**Response Time Breakdown:**

Step	Time (ms)
Prepare	14.35
Socket Initialization	4.03
DNS Lookup	1.14
TCP Handshake	2
Waiting (TTFB)	167.07
Download	2.14
Process	0.36

dokumen-sedang.docx  
(version 2) modified  
text  
444KB

API Network

POST http://localhost:3000/api/update/6964d21042b9ea7d81dbe7b2

Send

Body

form-data

Key	Value	Description
file	Modul&_HasanYusufMuiz...	
Key	Text	Value

200 OK - 183 ms - 437 B

```
1 {
2   "message": "File updated successfully",
3   "version": 2,
4   "performance": {
5     "originalSize": 454285,
6     "ciphertextSize": 454288,
7     "aesEncryptionTimeMs": "6.726",
8     "rsaKeyEncryptionTimeMs": "21.433",
9     "totalTimeMs": "142.527"
10  }
11 }
```

Response Size: 437 B  
Headers: 236 B  
Body: 201 B

Request Size: 444.18 KB  
Headers: 261 B  
Body: 443.93 KB

API Network

POST http://localhost:3000/api/update/6964d21042b9ea7d81dbe7b2

Send

Body

form-data

Key	Value	Description
file	Modul&_HasanYusufMuiz...	
Key	Text	Value

200 OK - 183 ms - 437 B

```
1 {
2   "message": "File updated successfully",
3   "version": 2,
4   "performance": {
5     "originalSize": 454285,
6     "ciphertextSize": 454288,
7     "aesEncryptionTimeMs": "6.726",
8     "rsaKeyEncryptionTimeMs": "21.433",
9     "totalTimeMs": "142.527"
10  }
11 }
```

Response Time: 182.96 ms

Step	Time
Prepare	16.13 ms
Socket Initialization	2.62 ms
DNS Lookup	0.25 ms
TCP Handshake	1 ms
Waiting (TTFB)	175.86 ms
Download	3.50 ms
Process	0.24 ms

dokumen-sedang.docx  
(version 4) modified  
image  
444KB

API Network

Overview POST http://localhost:3000/

Save

Send

Docs Params Authorization Headers (8) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL

Key	Value	Description
file	Modul&_HasanYusufMuiz...	
Key	Text	Value

Body

JSON

```
1 {
2   "message": "File updated successfully",
3   "version": 4,
4   "performance": {
5     "originalSize": 454313,
6     "ciphertextSize": 454320,
7     "aesEncryptionTimeMs": "8.033",
8     "rsaKeyEncryptionTimeMs": "25.528",
9     "totalTimeMs": "181.856"
10  }
11 }
```

Response Size 437 B

Headers 236 B

Body 201 B

Request Size 444.21 KB

Headers 261 B

Body 443.96 KB

Cloud View Console Terminal Runner Vault

API Network

Overview POST http://localhost:3000/

Save

Send

Docs Params Authorization Headers (8) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL

Key	Value	Description
file	Modul&_HasanYusufMuiz...	
Key	Text	Value

Body

JSON

```
1 {
2   "message": "File updated successfully",
3   "version": 4,
4   "performance": {
5     "originalSize": 454313,
6     "ciphertextSize": 454320,
7     "aesEncryptionTimeMs": "8.033",
8     "rsaKeyEncryptionTimeMs": "25.528",
9     "totalTimeMs": "181.856"
10  }
11 }
```

Response Time 270.87 ms

Prepare 10.32 ms

Socket Initialization 3.08 ms

DNS Lookup 0.93 ms

TCP Handshake 2 ms

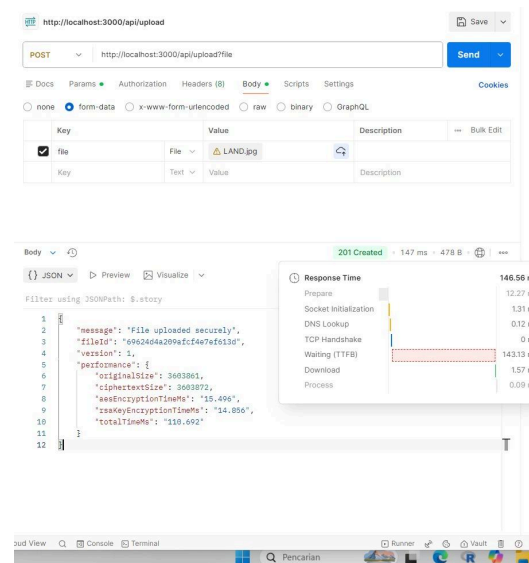
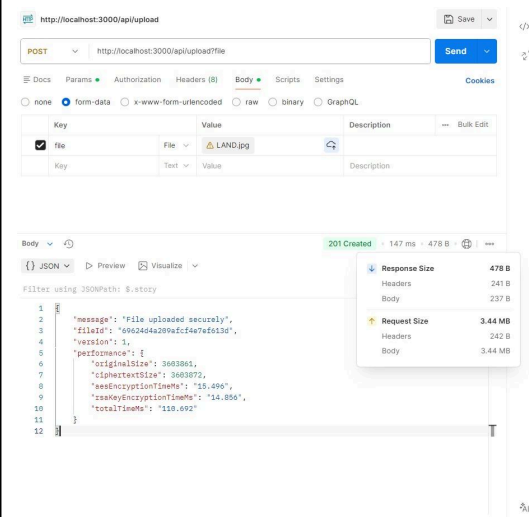
Waiting (TTFB) 260.07 ms

Download 5.19 ms

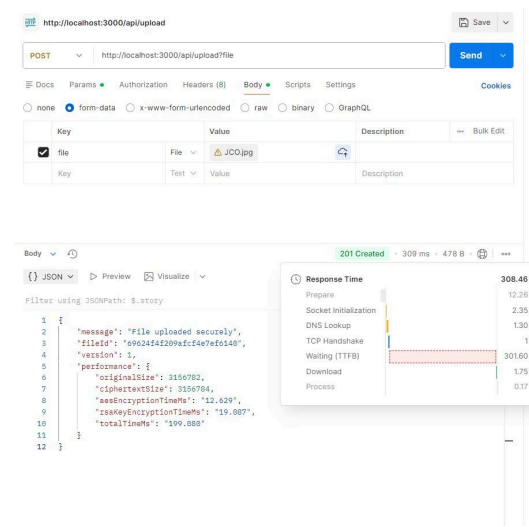
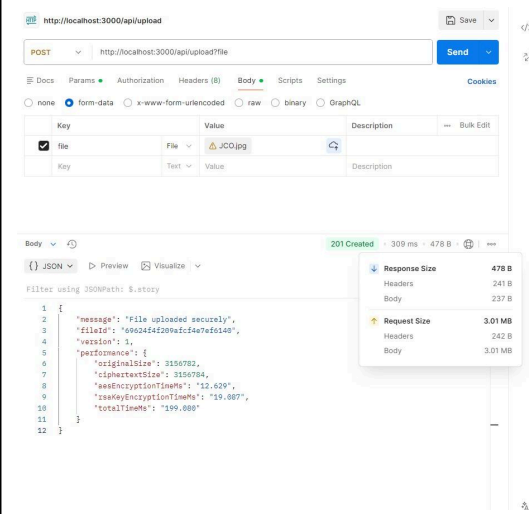
Process 0.30 ms

Cloud View Console Terminal Runner Vault

LAND.jpg  
3MB



JCO.jpg  
3MB

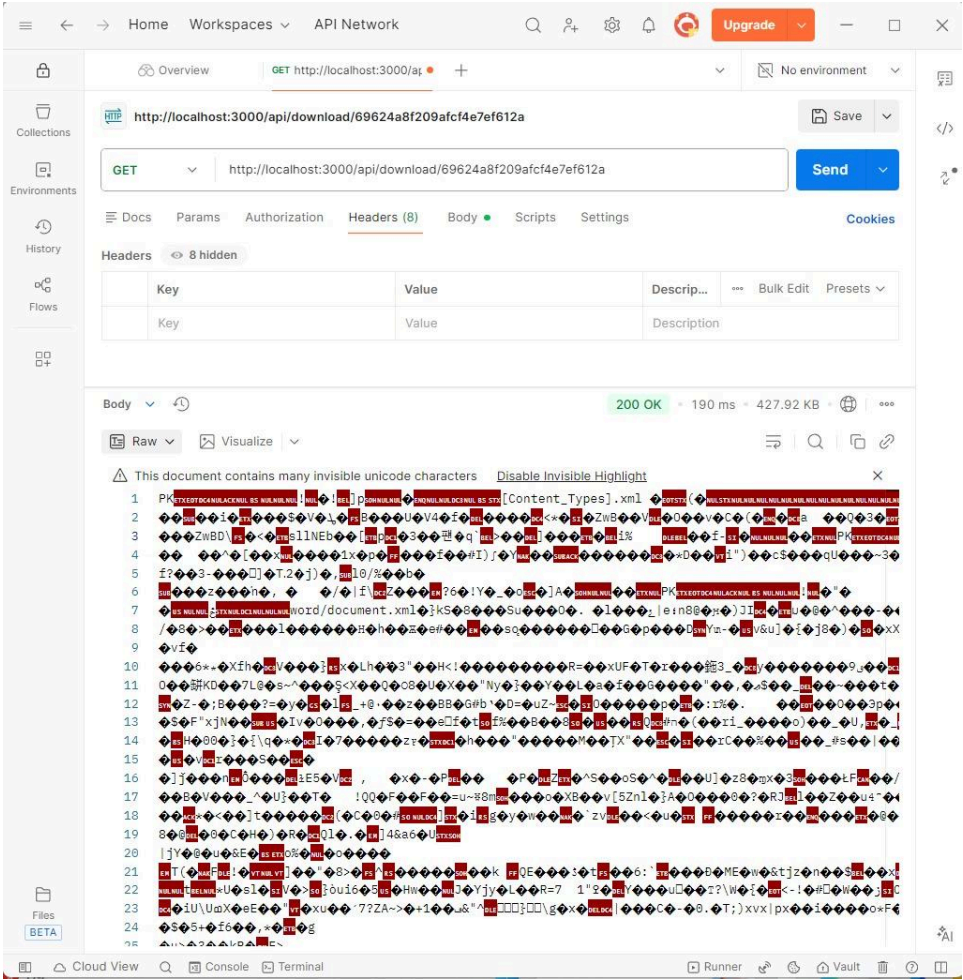


<b>Tipe Data</b>	<b>WAKTU ENKRIPSI (MS)</b>	<b>UKURAN CIPHERTEXT</b>	<b>WAKTU DOWNLOAD (ms)</b>	<b>OVERHEAD RSA (%)</b>
teks kecil.txt (version 1) 2.18KB	aesEncryptionTimeMs": "3.841 rsaKeyEncryptionTimeMs": "13.162"	2208	2.22	$(13.162 / 111.911) \times 100 =$ <b>11.8%</b>
teks kecil.txt (version 2) 2.18KB	aesEncryptionTimeMs": "4.649 rsaKeyEncryptionTimeMs": "14.864"	2208	1.86	$(14.864 / 120.195) \times 100 =$ <b>12.4%</b>
teks kecil.txt (version 3) 2.18KB	aesEncryptionTimeMs": "3.829 rsaKeyEncryptionTimeMs": "13.447"	3120	3.71	$(13.447 / 96.508) \times 100 =$ <b>13.9%</b>
teks kecil-2.txt (version 1) 12.2KB	aesEncryptionTimeMs": "3.645 rsaKeyEncryptionTimeMs": "12.645"	12480	1.62	$(12.645 / 76.286) \times 100 =$ <b>16.6%</b>
teks kecil-2.txt (version 2) 12.2KB	aesEncryptionTimeMs": "5.839 rsaKeyEncryptionTimeMs": "12.146"	12496	2.15	$(12.146 / 114.898) \times 100 =$ <b>10.6%</b>
teks kecil-2.txt (version 3) 12.2KB	aesEncryptionTimeMs": "6.736 rsaKeyEncryptionTimeMs": "18.143"	12512	2.48	$(18.143 / 133.779) \times 100 =$ <b>13.6%</b>
dokumen-sedang.docx (version 1) 444KB	aesEncryptionTimeMs": "5.932 rsaKeyEncryptionTimeMs": "15.580"	454160	2.14	$(15.580 / 113.665) \times 100 =$ <b>13.7%</b>
dokumen-sedang.docx (version 2) 444KB	aesEncryptionTimeMs": "6.720 rsaKeyEncryptionTimeMs": "21.433"	454288	3.50	$(21.433 / 142.527) \times 100 =$ <b>15.0%</b>
dokumen-sedang.docx (version 4) 444KB	aesEncryptionTimeMs": "8.033 rsaKeyEncryptionTimeMs": "25.528"	454320	5.19	$(25.528 / 181.856) \times 100 =$ <b>14.0%</b>
LAND.jpg 3MB	aesEncryptionTimeMs": "15.496 rsaKeyEncryptionTimeMs": "14.856"	3603872	1.57	$(14.856 / 110.692) \times 100 =$ <b>13.4%</b>
JCO.jpg 3MB	aesEncryptionTimeMs": "12.629 rsaKeyEncryptionTimeMs": "19.087"	3156784	1.75	$(19.087 / 199.080) \times 100 =$ <b>9.6%</b>



NAMA FILE	File decrypt hasil download
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FINAL 2.docx  
(version 3)



final.txt  
(version 3)

final 2.txt  
(version 3)

LAND.jpg

JCO.jpg