

TUGAS 2
KEAMANAN KOMPUTER/KRIPTOGRAFI



Di Susun Oleh :

Nama : **ZAINAL ABIDIN**

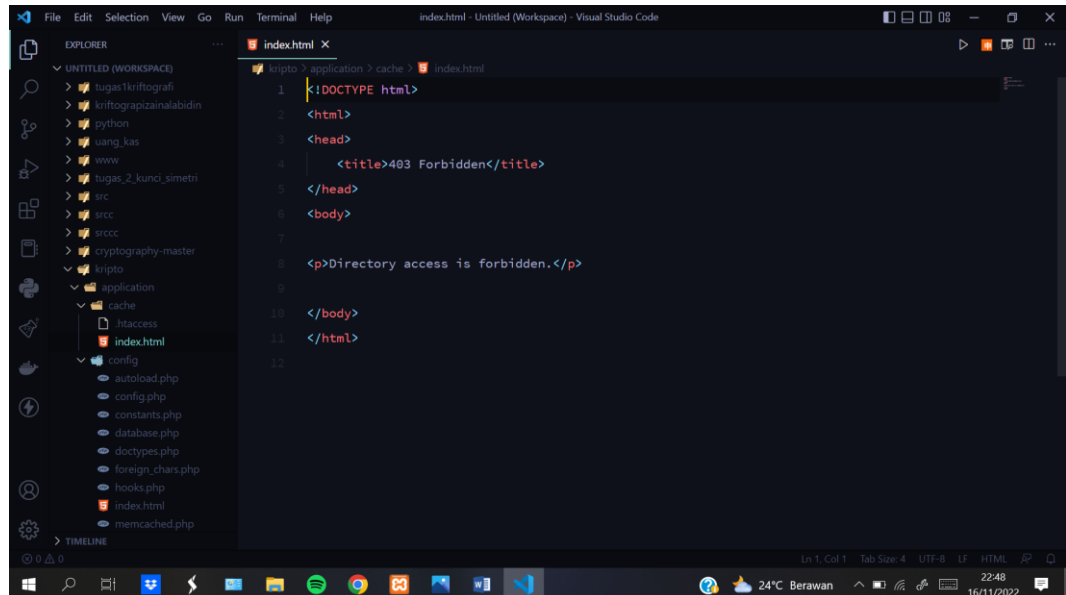
Nim : **202004**

Kelas : **5TKKO-B**

FAKULTAS TEKNIK
PROGRAM STUDI TEKNIK INFORMATIKA
UNIVERSITAS DIPA MAKASSAR
2022/2023

- Source program Lengkap

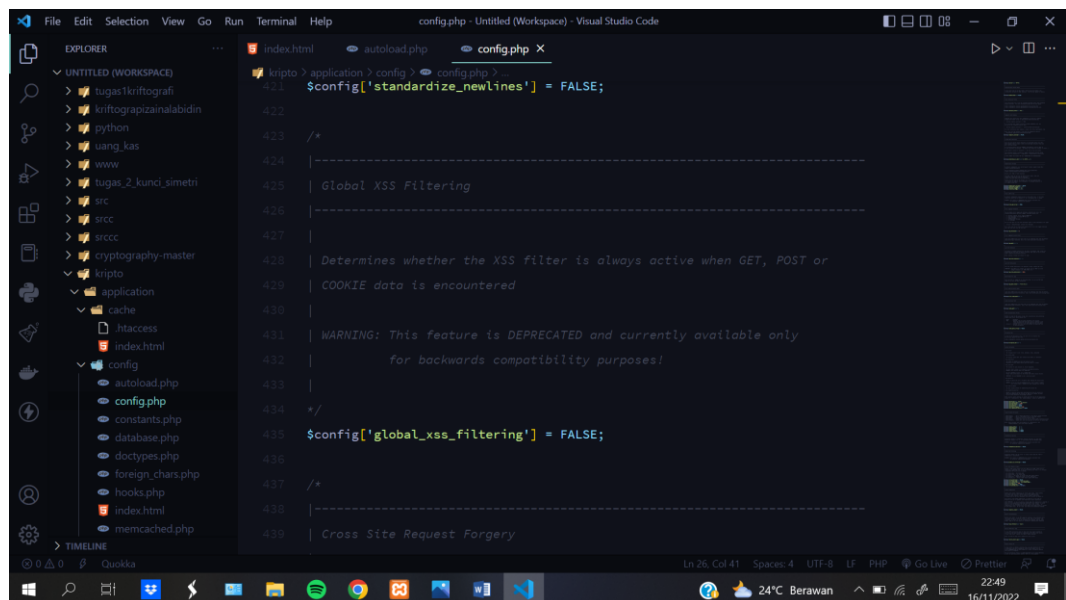
- a. Index.html



The screenshot shows the Visual Studio Code interface with the Explorer on the left and the editor on the right. The Explorer shows the file structure of the project, with the 'index.html' file selected under the 'cache' directory. The editor displays the content of 'index.html'.

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>403 Forbidden</title>
5 </head>
6 <body>
7
8 <p>Directory access is forbidden.</p>
9
10 </body>
11 </html>
12
```

- b. Autoload.php



The screenshot shows the Visual Studio Code interface with the Explorer on the left and the editor on the right. The Explorer shows the file structure of the project, with the 'config.php' file selected under the 'config' directory. The editor displays the content of 'config.php'.

```
421 $config['standardize_newlines'] = FALSE;
422
423 /*
424 |-----
425 | Global XSS Filtering
426 |-----
427 |
428 | Determines whether the XSS filter is always active when GET, POST or
429 | COOKIE data is encountered
430 |
431 | WARNING: This feature is DEPRECATED and currently available only
432 |         for backwards compatibility purposes!
433 |
434 */
435 $config['global_xss_filtering'] = FALSE;
436
437 /*
438 |-----
439 | Cross Site Request Forgery
```

The screenshot shows the Visual Studio Code interface with the 'config.php' file open. The Explorer sidebar on the left shows the project structure, including a 'config' directory with files like 'autoload.php', 'config.php', 'constants.php', 'database.php', 'doctypes.php', 'foreign_chars.php', 'hooks.php', 'index.html', and 'memcached.php'. The main editor displays the content of 'config.php', which includes comments about CSRF protection and configuration for the 'csrf' group. The code is as follows:

```
442 | checked on a submitted form. If you are accepting user data, it is strongly
443 | recommended CSRF protection be enabled.
444
445 | 'csrf_token_name' = The token name
446 | 'csrf_cookie_name' = The cookie name
447 | 'csrf_expire' = The number in seconds the token should expire.
448 | 'csrf_regenerate' = Regenerate token on every submission
449 | 'csrf_exclude_uris' = Array of URIs which ignore CSRF checks
450 */
451 $config['csrf_protection'] = FALSE;
452 $config['csrf_token_name'] = 'csrf_test_name';
453 $config['csrf_cookie_name'] = 'csrf_cookie_name';
454 $config['csrf_expire'] = 7200;
455 $config['csrf_regenerate'] = TRUE;
456 $config['csrf_exclude_uris'] = array();
457
458 /*
459 |-----
460 | Output Compression
```

c. Database.php

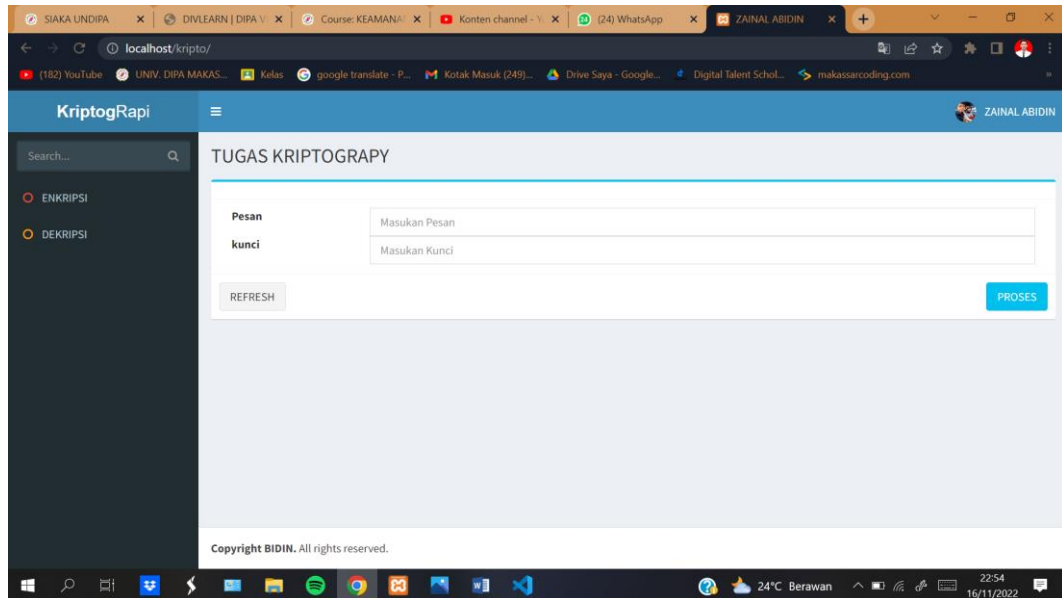
The screenshot shows the Visual Studio Code interface with the 'database.php' file open. The Explorer sidebar on the left shows the project structure, including a 'config' directory with files like 'autoload.php', 'config.php', 'constants.php', 'database.php', 'doctypes.php', 'foreign_chars.php', 'hooks.php', 'index.html', and 'memcached.php'. The main editor displays the content of 'database.php', which includes configuration for the database connection. The code is as follows:

```
73 $active_group = 'default';
74 $query_builder = TRUE;
75
76 $db['default'] = array(
77     'dsn' => '',
78     'hostname' => 'localhost',
79     'username' => 'root',
80     'password' => '',
81     'database' => '',
82     'dbdriver' => 'mysqli',
83     'dbprefix' => '',
84     'pconnect' => FALSE,
85     'db_debug' => (ENVIRONMENT !== 'production'),
86     'cache_on' => FALSE,
87     'cachedir' => '',
88     'char_set' => 'utf8',
89     'dbcollat' => 'utf8_general_ci',
90     'swap_pre' => '',
91     'encrypt' => FALSE,
```

d. Doctypes.php

```
4  $_doctypes = array(
5      'xhtml11' => '<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN" "http://www.w3.org/TR/xhtml11-strict" => '<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.
6      'xhtml1-strict' => '<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.
7      'xhtml1-trans' => '<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://
8      'xhtml1-frame' => '<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Frameset//EN" "http://www
9      'xhtml-basic11' => '<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML Basic 1.1//EN" "http://www.w
10     'html5' => '<!DOCTYPE html>',
11     'html4-strict' => '<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/T
12     'html4-trans' => '<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://
13     'html4-frame' => '<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Frameset//EN" "http://www.
14     'mathml1' => '<!DOCTYPE math SYSTEM "http://www.w3.org/Math/DTD/mathml1/mathml.dtd">',
15     'mathml2' => '<!DOCTYPE math PUBLIC "-//W3C//DTD MathML 2.0//EN" "http://www.w3.org/Math/
16     'svg10' => '<!DOCTYPE svg PUBLIC "-//W3C//DTD SVG 1.0//EN" "http://www.w3.org/TR/2001/REC
17     'svg11' => '<!DOCTYPE svg PUBLIC "-//W3C//DTD SVG 1.1//EN" "http://www.w3.org/Graphics/SV
18     'svg11-basic' => '<!DOCTYPE svg PUBLIC "-//W3C//DTD SVG 1.1 Basic//EN" "http://www.w3.org
19     'svg11-tiny' => '<!DOCTYPE svg PUBLIC "-//W3C//DTD SVG 1.1 Tiny//EN" "http://www.w3.org/G
20     'xhtml-math-svg-xh' => '<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1 plus MathML 2.0 plus
21     'xhtml-math-svg-sh' => '<!DOCTYPE svg:svg PUBLIC "-//W3C//DTD XHTML 1.1 plus MathML 2.0 p
22     'xhtml-rdfa-1' => '<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML+RDFa 1.0//EN" "http://www.w3.
```

- Tampilan antarmuka program (print screen/screen shot)



- Contoh hasil enkripsi, hasil dekripsi, citra/video hasil penyembunyian pesan, hasil ekstraksi pesan, dll

a. Enkripsi

The screenshot shows a web browser window with the URL `localhost/kripto/enkripsi`. The page has a dark blue header with the title "KriptogRapi" and a user profile "ZAINAL ABIDIN". A sidebar on the left contains a search bar and two radio buttons: "ENKRIPSI" (selected) and "DEKRIPSI". The main content area is titled "TUGAS KRIPTOGRAPY" and contains a form with two input fields: "Pesan" (containing "Universitas Dipa Makassar") and "kunci" (containing "1"). Below the form are "REFRESH" and "PROSES" buttons. The result section displays "HASIL ENKRIPSI :" followed by the encrypted text "Ppebe7+G0I8L0HRPzkZ0Txbp/EdmLA+rIPDP9FP80zM=".

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b. Deskripsi

The screenshot shows the same web browser window, but the URL is `localhost/kripto/dekripsi`. The sidebar now has "DEKRIPSI" selected. The form fields are filled with the encrypted text "Ppebe7+G0I8L0HRPzkZ0Txbp/EdmLA+rIPDP9FP80zM=" in the "Pesan" field and "1" in the "kunci" field. The "PROSES" button is visible. The result section displays "HASIL DEKRIPSI :" followed by the decrypted text "Universitas Dipa Makassar".

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- **Pranala kode program di google drive/github**

[https://github.com/bidinnnnn/Kriptografi Kunci Simetri](https://github.com/bidinnnnn/Kriptografi_Kunci_Simetri)

- **Pranala video demo (diunggah di google drive atau youtube) yang berisi fungsionalitas dari program yang dibuat (maksimal durasi 7 menit). Demo program hanya melalui video saja**

<https://youtu.be/cIuybi3Od80>