# LAPORAN PRAKTIKUM KEAMANAN INFORMASI 1 PERTEMUAN 11 (OWASP Brute Force)



# **DISUSUN OLEH**

Riva Mahyuli (21/478709/SV/19365)

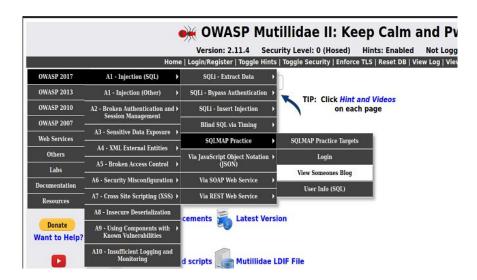
SARJANA TERAPAN TEKNOLOGI REKAYASA INTERNET DEPARTEMEN TEKNIK ELEKTRO DAN INFORMATIKA SEKOLAH VOKASI UNIVERSITAS GADJAH MADA YOGYAKARTA 2023

#### Link Github:

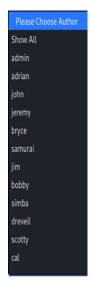
https://github.com/RIVAMAHYULi/Lap11\_RivaMahyuli\_PrakKeamanan1/blob/main/README.md

### A. Blog Reconnaisance

1. OWASP Top 10 --> A1 - SQL Injection --> SQLMAP Practice --> View Someones Blog.



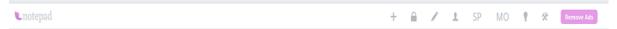
- Klik Silakan Pilih Penulis. Kotak daftar di bawah ini akan berisi nilai atau nama pengguna database dari setiap nama pengguna yang ditampilkan.



- Lihat Kode Sumber untuk Blog Someones.
- o Klik Kanan pada latar belakang putih
- o Klik View Page Source
- o Cari Kode Sumber untuk Username

```
<\i>a href="index.php?page=back-button-discussion.php">Those &quot;Back&quot; Buttons</a>
a href="index.php?page=styling-frame.php&page-to-frame=styling.php%3Fpage-title%3DStyling+with+Mutillidae">Styling with Mutilidae</a>
a href="index.php?page=password-generator.php&username">"Styling with Mutilidae</a>

 <a href="">HTMLi Via DOM Injection</a>
 <11b
     <a href="index.php?page=html5-storage.php">HTML5 Web Storage</a>
    <a href="index.php?page=password-generator.php&username=anonymous">Password Generator</a>
 <a href="index.php?page=back-button-discussion.php">Those &quot;Back&quot; Buttons</a>
 <a href="index.php?page=password-generator.php&username=anonymous">Password Generator</a>
 <a href="index.php?page=browser-info.php">Browser Info</a></a>
<a href="">Username Enumeration</a>
    <111>
       <a href="index.php?page=login.php">Login</a>
       <a href="index.php?page=edit-account-profile.php">Edit User Profile</a></a>
       <a href="./webservices/soap/ws-user-account.php">Lookup User (SOAP Web Service)</a>
       <\i>a href="_/webservices/rest/ws-user-account.php">User Account Management (REST Web Service)</a>
    <a href="index.php?page=password-generator.php&username=anonymous">Password Generator</a>
 <a href="index.php?page=client-side-control-challenge.php">Client-side Control Challenge</a>
  <a href="">DOM-Based</a>
  <l
     <a href="index.php?page=html5-storage.php">HTML5 Web Storage</a>
     <a href="index.php?page=password-generator.php&username=anonymous">Password Generator</a>
  </II>
li>
<a href="index.php?page=register.php">Register User</a>
<a href="index.php?page=password-generator.php&usernane=anonymous">Password Generator</a>
  <a href="">Username Enumeration</a>
       <111>
           <a href="./webservices/soap/ws-user-account.php">Lookup User</a>
```



curl -L "http://127.0.0.1/mutillidae/index.php?page=view-someones-blog.php" 2>/dev/null | grep -i \"admin\" | sed 's\"/\g' | awk 'BEGIN\{FS=">"}\for (i=1; i<=NF; i++) print \\$\ij\" | grep -v value | sed s'/<\loption\/g|



## B. Pengujian Login.php Error Message

- 1. Klik Login/Daftar
- 2. Nama: admin
- 3. Kata sandi: admin
- 4. Klik Tombol Login
- Salin Login.php Error Message
- Pilih "Authentication Error", dan Klik Kanan
- Pilih Copy



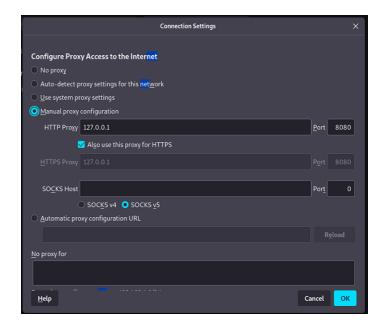
Dont have an account? Please register here

- 5. Buka gedit
- gedit &
- tekan Enter
- Paste Message

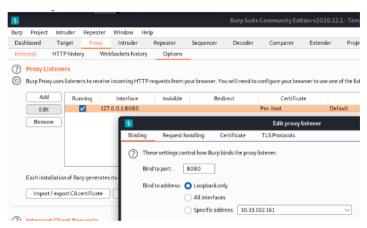
```
(rest © hali)-[/home/kali]
@ gedit password incorrect
Authorization required, but no authorization protocol specified
Unable to init server: Could not connect: Connection refused
(gedit:2828001): Gtk-MARNING **: 20:24:57.730: cannot open display: :10.0
[rest © hali)-[/home/kali]
```

- 6. Klik Login/Daftar
- 7. Klik kanan pada latar belakang layar putih, pilih Lihat Sumber Halaman.
- 8. Analisis Login.php Source
- 9. Tekan tombol <Ctrl> dan <f> secara bersamaan
- 10. Ketik form action di kotak find dan tekan enter.
- 11. Perhatikan konvensi penamaan kotak teks nama pengguna dan kata sandi.
- 12. Perhatikan konvensi penamaan dan nilai tombol kirim.

- C. Pengujian Configure Firefox Proxy Settings
- 1. Klik Firefox
- 2. Pilih Settings --> Network Settings → Settings



- D. Configure Burp Suite
- 1. Start Burp Suite
- 2. Applications --> Web Application Analysis ---> burpsuite
- 3. Muncul JRE Message
- 4. Klik OK
- a. Configure proxy
- Klik pada tab proxy
- Klik pada tab opsi
- Pastikan port diatur ke 8080



- b. Turn on intercept
- Klik pada tab proxy
- Klik pada tab intercept
- · Pastikan intercept diatur ke on



c. Logging in1. Nama: admin

Kata sandi: admin
 Klik Tombol Login

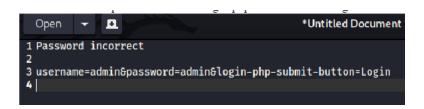
4. Lanjutkan ke Langkah Berikutnya



d. Analisis hasil Burp Suite

```
1 POST /mutillidae/index.php?page=login.php HTTP/1.1
 2 Host: 10.33.102.161
3 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:102.0)
   Gecko/20100101 Firefox/102.0
 4 Accept:
   text/html,application/xhtml+xml,application/xml;q=0.9,image/avi
   f,image/webp,*/*;q=0.8
 5 Accept-Language: en-US,en;q=0.5
 6 Accept-Encoding: gzip, deflate
 7 Referen:
   http://10.33.102.161/mutillidae/index.php?page=login.php
 8 | Content-Type: application/x-www-form-urlencoded
 9 Content-Length: 59
10 Origin: http://10.33.102.161
11 Connection: close
12 Cookie: PHPSESSID=4fgqlv9la0bikclthkh9nqejbd; showhints=1
13 Upgrade-Insecure-Requests: 1
15 username=admin&password=admin&login-php-submit-button=Login
```

- e. Setelah langkah ini, Anda akan melihat dua pesan berikut:
- Kesalahan Autentikasi
- o username=admin&password=admin&login-php-submit-button=Login



- E. Crack Web Form
- 1. Download Crack Web Form

```
—(root@ kali)-[/home/kali]
—# mkdir -p <u>/pentest/passwords/cwf</u>
                                                                                          130 ×
    -(root® kali)-[/home/kali]
 # cd /pentest/passwords/cwf
(root@ kali)-[/pentest/passwords/cwf]
# wget http://www.computersecuritystudent.com/SECURITY_TOOLS/MUTIL
LIDAE/MUTILLIDAE_2511/lesson4/cv2.tar.gz
--2023-05-22 22:03:54-- http://www.computersecuritystudent.com/SECURITY_TOOLS/MUTILLIDAE/MUTILLIDAE_2511/lesson4/cwf.v2.tar.gz
Resolving www.computersecuritystudent.com (www.computersecuritystude
nt.com)... 108.210.130.146
Connecting to www.computersecuritystudent.com (www.computersecuritys tudent.com)|108.210.130.146|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 15977 (16K) [application/x-gzip]
Saving to: 'cwf.v2.tar.gz.1'
cwf.v2.tar.gz.1 100%[=======] 15.60K 67.9KB/s
2023-05-22 22:03:56 (67.9 KB/s) - 'cwf.v2.tar.gz.1' saved [15977/159
77]
 root@ kali)-[/pentest/passwords/cwf]
# ls -l cwf.v2.tar.gz
-rw-r--r-- 1 root root 15977 May 22 21:53 cwf.v2.tar.gz
 ——(root⊕ kali)-[/pentest/passwords/cwf]
—# tar zxovf
tar: Old option 'f' requires an argument.
Try 'tar --help' or 'tar --usage' for more information.
 ---(root@ kali)-[/pentest/passwords/cwf]
-# tar zxovf <u>cwf.v2.tar.gz</u>
crack_web_form.pl
password.txt
```

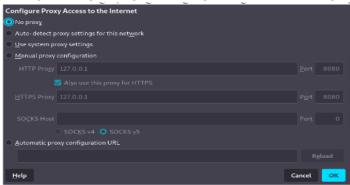
2. Crack Web Form Functionality

#### 3. Pengujian Crack Web Form

#### 4. Crack Web Form Results



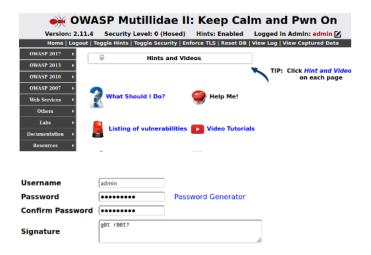
5. Connection Settings (Klik garis tiga > Settings > Network Settings > Settings)



### 6. Tes Admin Password

Username	: admin	
Password	: adminpass	
Username	admin	
Password	•••••	
	Login	

## 7. Verifikasi login message



```
(root kali) [/pentest/passwords/cwf]

cd /pentest/passwords/cwf

(root kali) [/pentest/passwords/cwf]

# cat crack cookies.txt

# Netscape HTTP Cookie File

# https://curl.se/docs/http-cookies.html

# This file was generated by libcurl! Edit at your own risk.

10.33.102.161 FALSE / FALSE 0 uid 1

10.33.102.161 FALSE / FALSE 0 username admin

10.33.102.161 FALSE / FALSE 0 showhints 1

10.33.102.161 FALSE / FALSE 0 PHPSESSID vr6ucqad9jjjq9gfa75e7sb016
```

```
(roor ⊕ kali)-[/home/kali]

## date

Tue May 30 08:19:02 AM CDT 2023

(roor ⊕ kali)-[/home/kali]

## echo yuli

yuli

(roor ⊕ kali)-[/home/kali]
```