LAPORAN PRAKTIKUM KEAMANAN INFORMASI 1

Brute Force

DI SUSUN OLEH

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LABORATORIUM PERANGKAT KERAS DAN LUNAK
PROGRAM SARJANA TERAPAN (DIV) TEKNOLOGI REKAYASA INTERNET
DEPARTEMEN TEKNIK ELEKTRO DAN INFORMATIKA
SEKOLAH VOKASI
UNIVERSITAS GADJAH MADA

2023

Praktikum Keamanan Informasi 1

Brute Force

I. Tujuan

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II. Latar Belakang

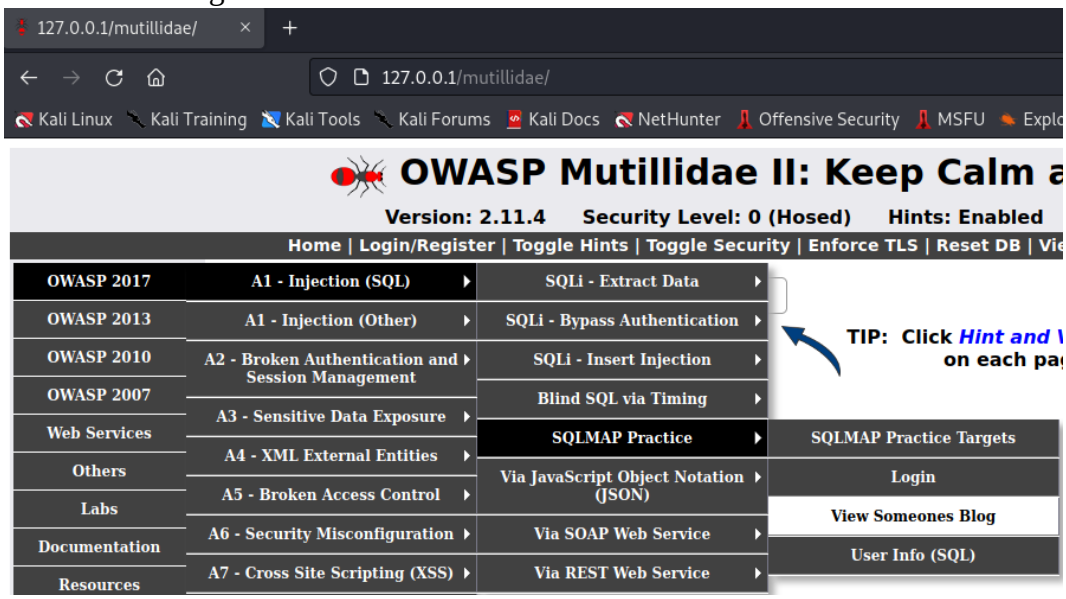
III. Alat & Bahan

– S

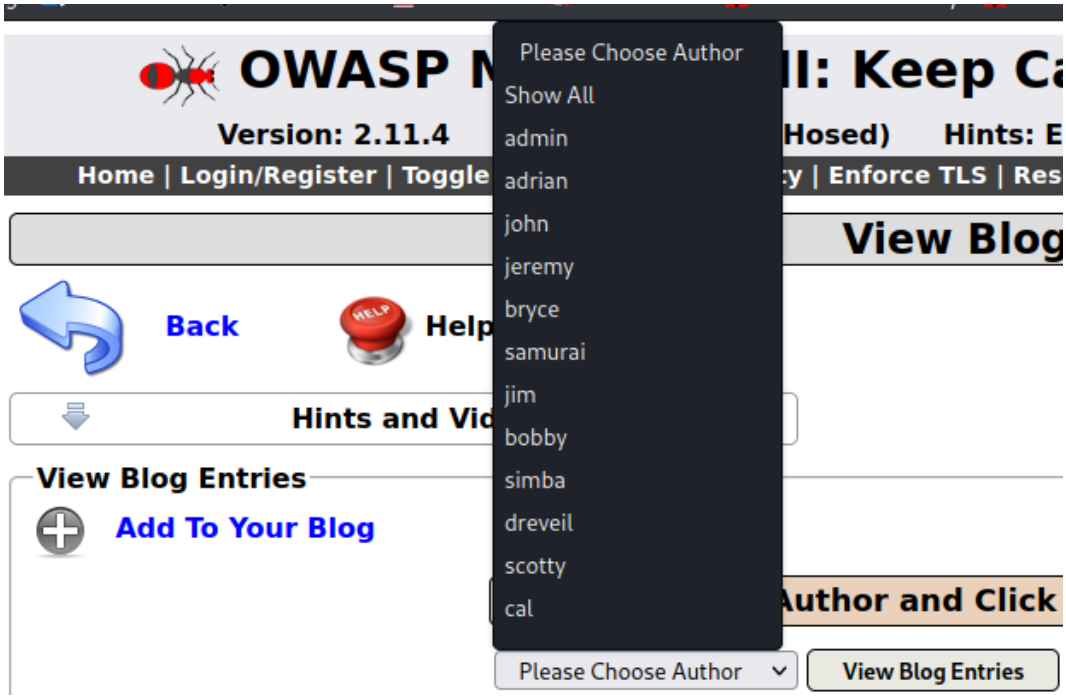
IV. Instruksi Kerja

A. Blog Reconnaissance

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



2. Klik *Please Choose Author*.

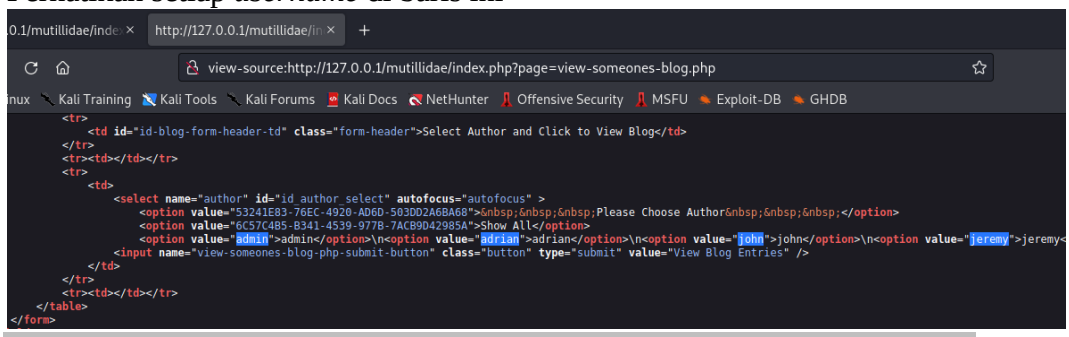


3. Tekan CTRL+U untuk melihat *Source Code* untuk *Blog Someones*
4. Cari *Source Code* untuk *Username*

–Tekan CTRL+F untuk mencari *source code*

–Ketik “admin”, lali tekan Enter

–Perhatikan setiap *username* di baris ini



<option value="USERNAME">.
<option value="admin">admin</option>
<option value="admin" - Ini adalah nilai database
>admin</option> - Ini adalah nama tampilan pengguna

5. Uraikan *Source Code* untuk *Username*
6. Ganti 192.68.1.111 dengan alamat IP Mutillidae
7. Buka aplikasi Terminal, ketikkan *script* berikut\

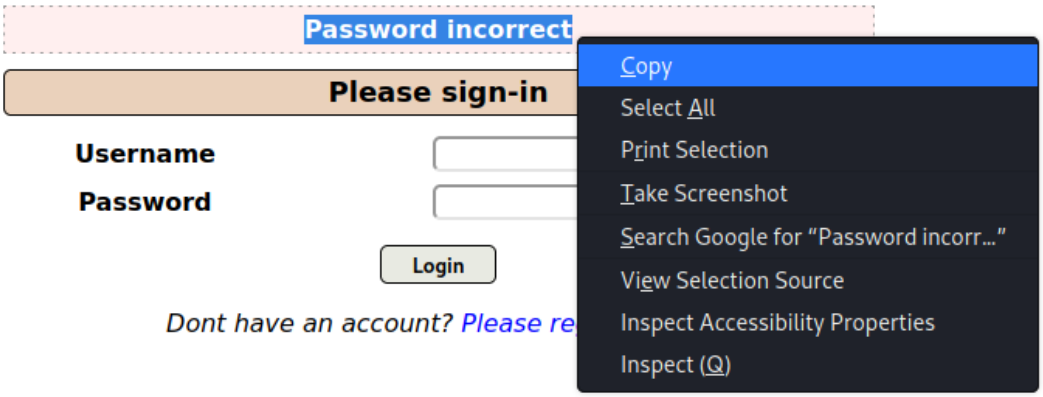
curl -L "http://192.168.1.111/mutillidae/index.php?page=view-someones-blog.php" 2>/dev/null | grep -i \"admin\" | sed 's/"//g' | awk 'BEGIN{FS=">"}{for (i=1; i<=NF; i++) print $i}' | grep -v value | sed s'/<\/option//g'

```
┌──(root💀kali)-[/home/kali/Desktop]
└─# 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<=N
F; i++) print $i}' | grep -v value | sed s'/<\/option//g'
admin
adrian
john
jeremy
bryce
samurai
jim
bobby
simba
dreveil
scotty
cal
john
kevin
dave
patches
rocky
tim
ABaker
PPan
CHook
james
ed
\n                                        </select
```

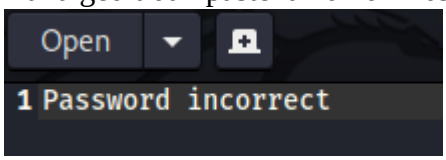
- curl -L "Webpage", mengambil kode sumber halaman web.
- 2>/dev/null, berarti jangan melihat kesalahan atau output status curl.
- grep -i \"admin\", menampilkan output curl yang berisi string "\"admin\"".
- sed 's/"//g', gunakan sed untuk mengganti tanda kutip tanpa apa-apa
- awk 'BEGIN{FS=">"}{for (i=1; i<=NF; i++) print $i}', gunakan karakter ">" sebagai pembatas atau pemisah bidang dan cetak setiap elemen array pada baris terpisah
- nilai grep -v, menampilkan output elemen array yang hanya berisi string "value".
- sed s'/<\/option//g', gunakan sed untuk mengganti string "</option" tanpa apa-apa.

B. Pengujian Login.php Error Message

1. Login dengan username : admin, pass : admin
2. Copy error message



3. Buka gedit dan pastekan *error message* yang telah di *copy*

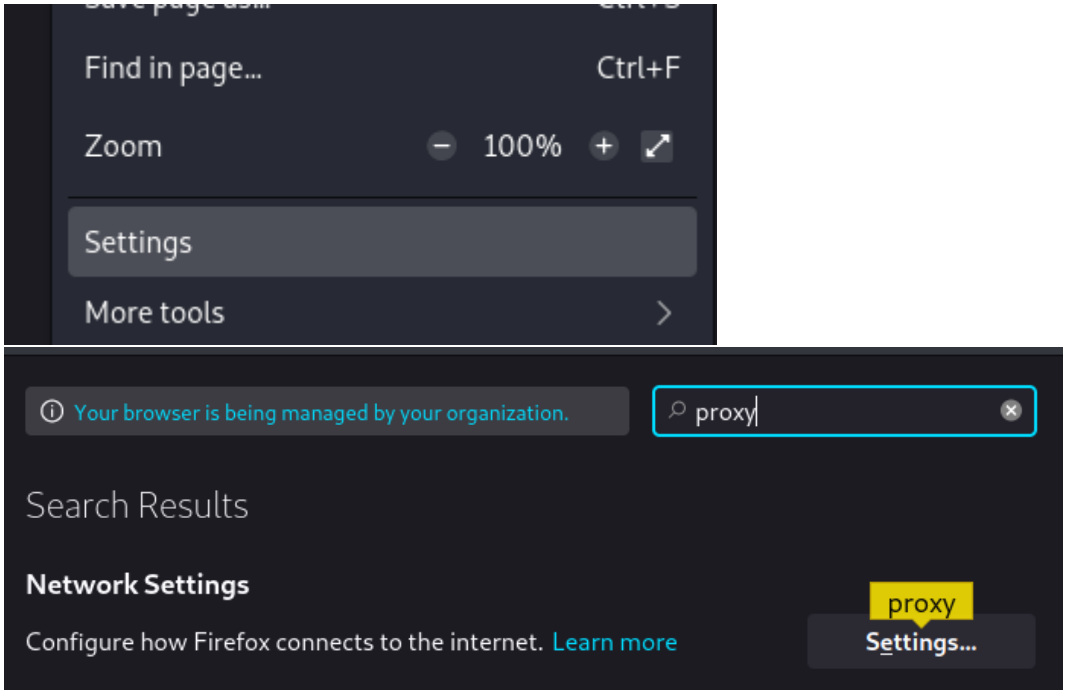


4. Lihat *source code* halaman, lalu analisis Login.php dengan menekan tombol CTRL+F dan ketik *form action*.
5. Perhatikan konvensi penamaan kotak teks nama pengguna dan kata sandi.
6. Perhatikan konvensi penamaan dan nilai tombol kirim.

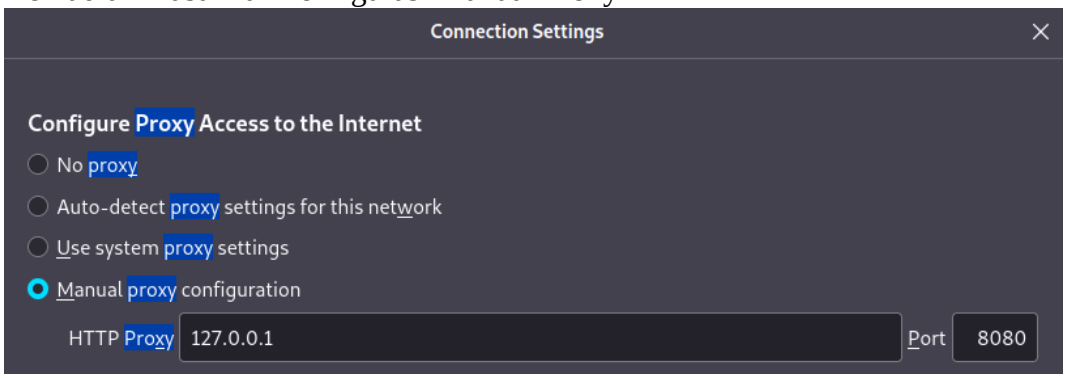
```
<tr>
    <td class="label">Username</td>
    <td>
        <input  type="text" name="username" size="20"
                autofocus="autofocus"
                            />
    </td>
</tr>
<tr>
    <td class="label">Password</td>
    <td>
        <input type="password" name="password" size="20"
                            />
    </td>
</tr>
<tr><td></td></tr>
<tr>
    <td colspan="2" style="text-align:center;">
        <input name="login-php-submit-button" class="button" type="submit" value="Login" />
    </td>
</tr>
```

C. Pengujian Konfigurasi Firefox Proxy Settings

1. Klik Setting pada firefox, kemudian *search* proxy. Kemudian pada *Network Settings* klik *Settings*...

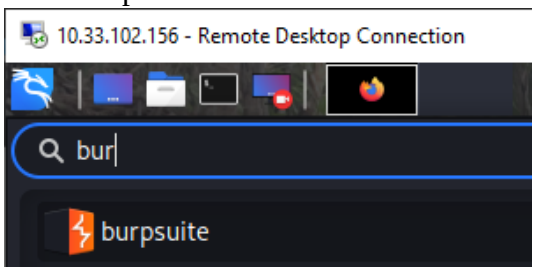


2. Kemudian masukkan konfigurasi Manual Proxy

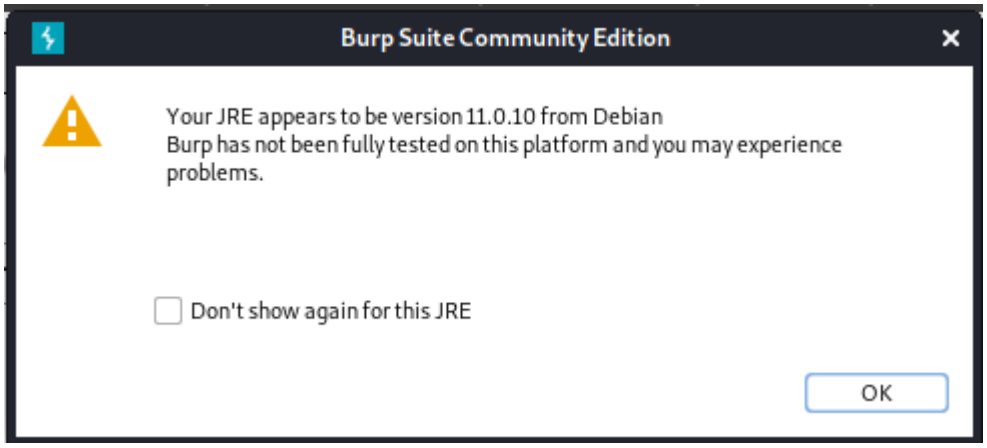


D. Konfigurasi *Buro Suite*

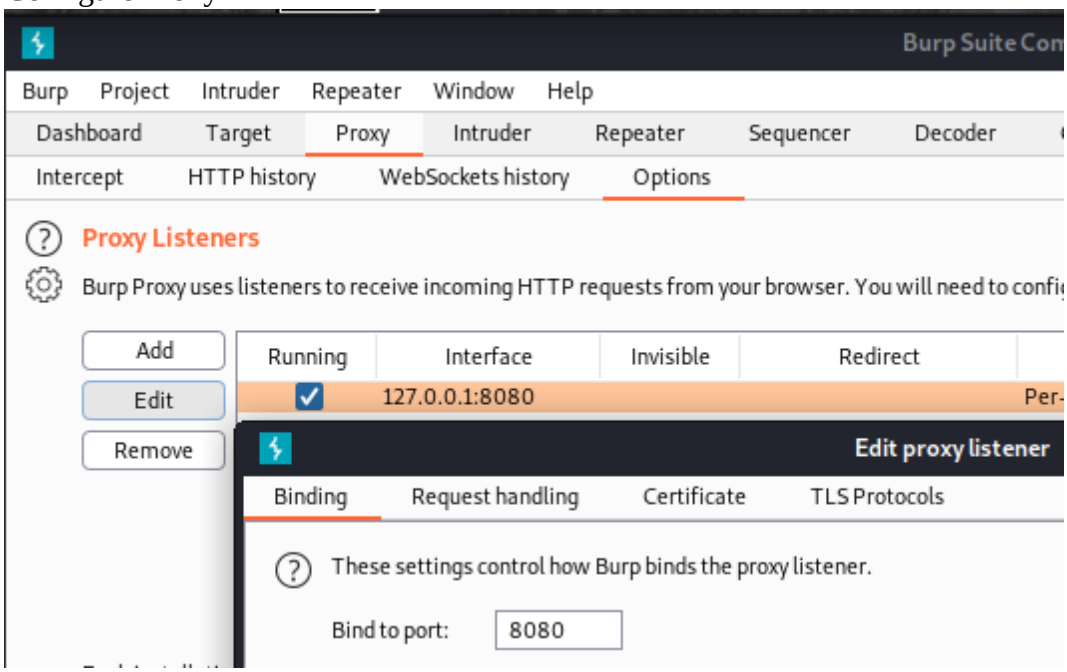
1. Buka burpsuite



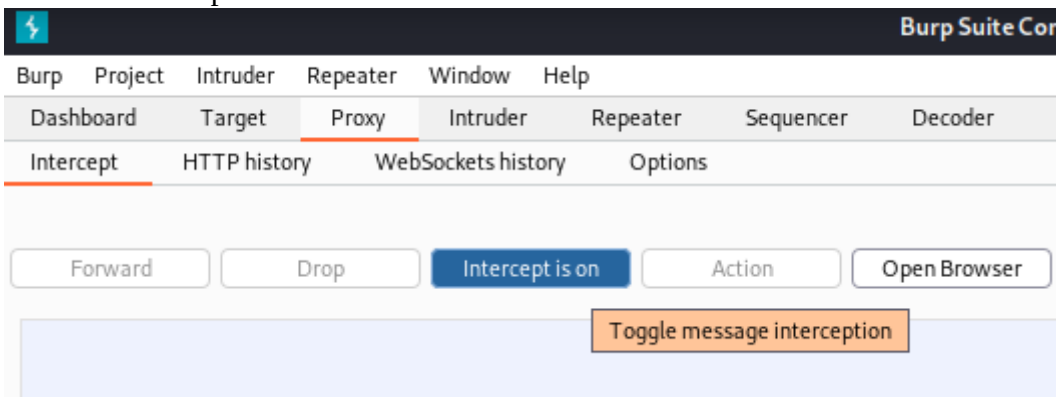
2. S



a. Configure Proxy

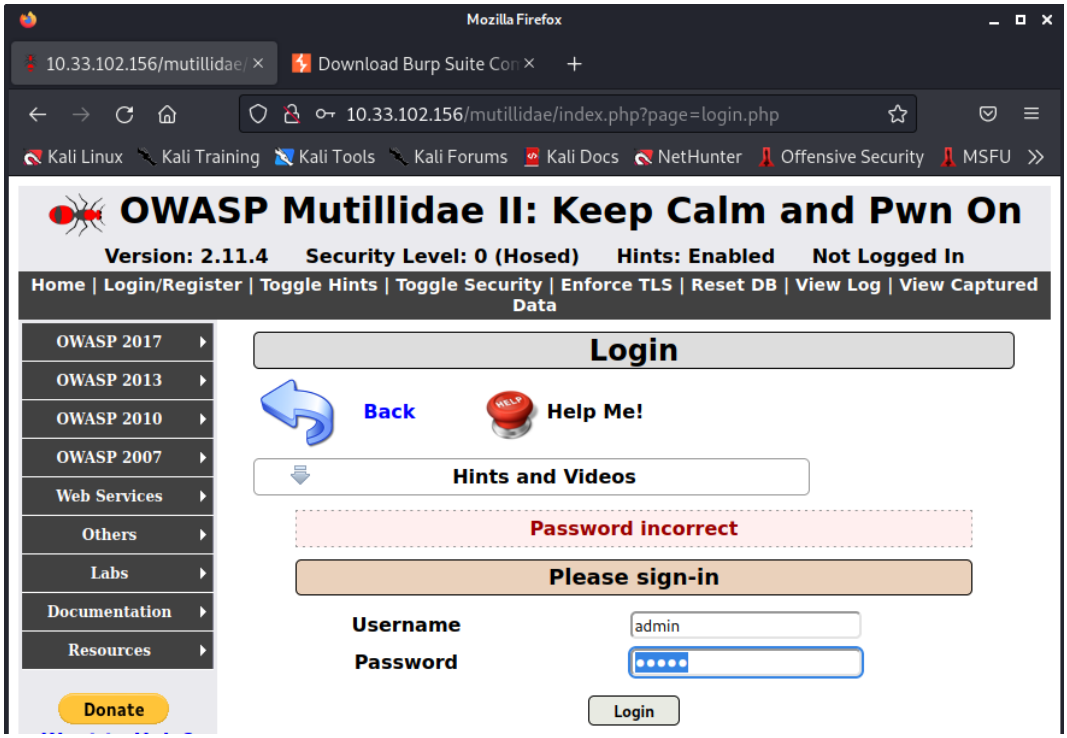


b. Turn On Intercept

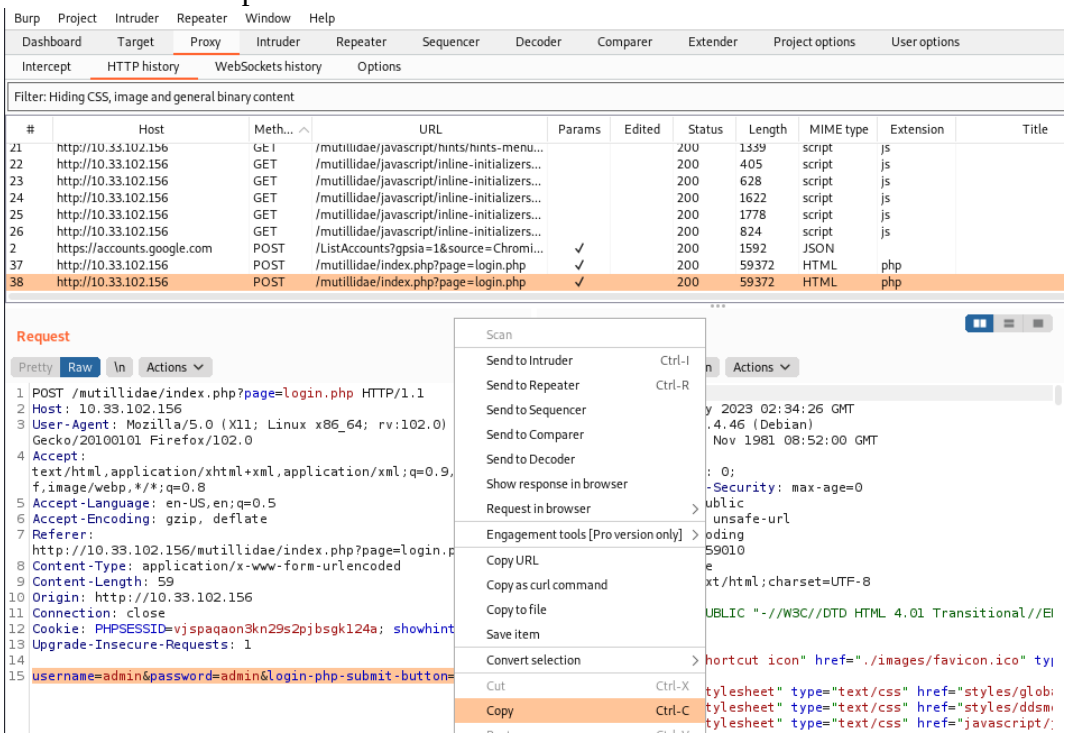


c. Logging In

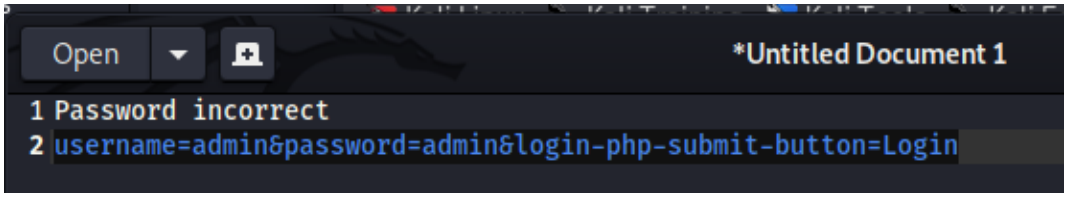
Ubah url menjad (IP Kali Linux)/mutillidae/index.php?page=login.php. Kemudian login menggunakan username : admin, pass: admin



d. Analisis Hasil Burp Suite

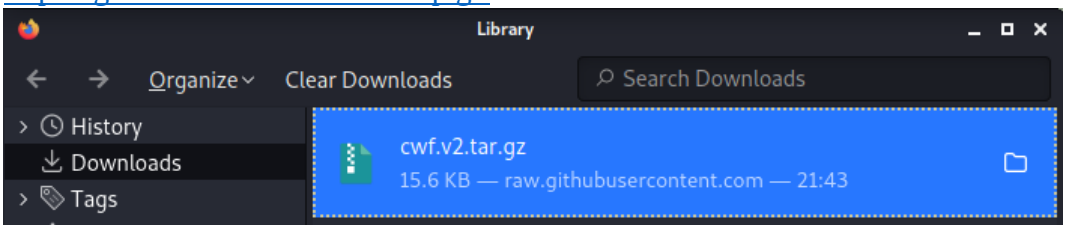


e. Setelah langkah ini, anda akan melihat dua pesan berikut
   - Incorrect Password
   - username=admin&password=admin&login-php-submit-button=Login



E. Crack Web Form

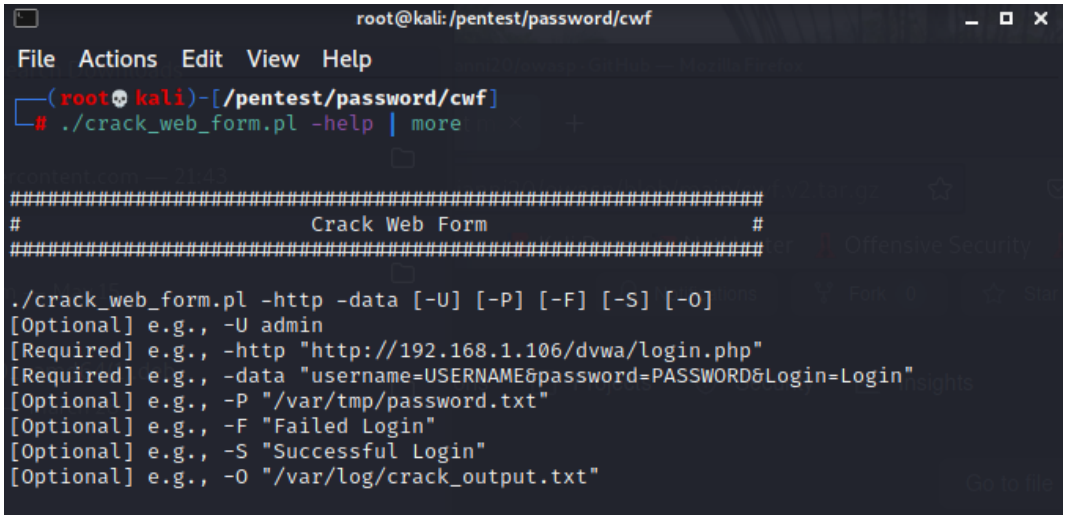
1. Download crack web form
   - Download file cwf.vw.tar.gz dari link berikut
     https://github.com/cianni20/owasp.git



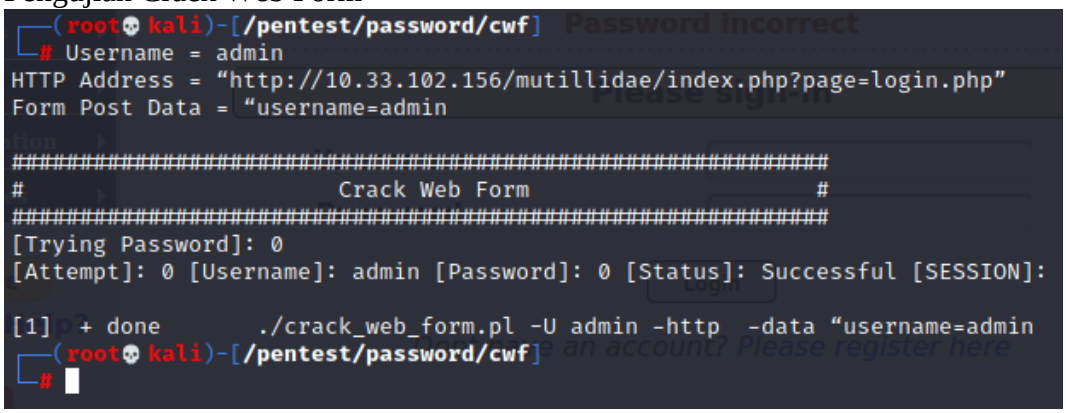
   - Buat direktori baru untuk project cwf

```
┌──(root💀kali)-[~]
└─# mkdir -p /pentest/password/cwf

┌──(root💀kali)-[~]
└─# cd /pentest/password/cwf

┌──(root💀kali)-[/pentest/password/cwf]
└─# ls -l cwf.v2.tar.gz
ls: cannot access 'cwf.v2.tar.gz': No such file or directory

┌──(root💀kali)-[/pentest/password/cwf]
└─# cp /home/kali/Downloads/cwf.v2.tar.gz /pentest/password/cwf

┌──(root💀kali)-[/pentest/password/cwf]
└─# ls -l cwf.v2.tar.gz
-rw-r--r-- 1 root root 15977 May 22 21:51 cwf.v2.tar.gz

┌──(root💀kali)-[/pentest/password/cwf]
└─# tar zxovf cwf.v2.tar.gz
crack_web_form.pl
password.txt
```

2. Crack Web Form Functionality

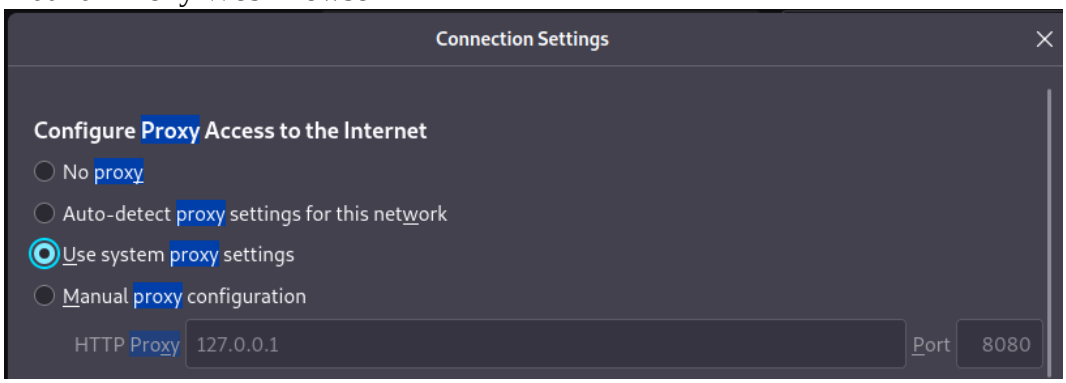


3. Pengujian Crack Web Form



4. Crack Web Form Results
   Menemukan *password* (adminpass) untuk user(admin)

5. Matikan Proxy Web Browser



6.

V. Pembahasan

VI. Kesimpulan

Pada praktikum kali ini dapat disimpulkan bahwa :

1.

VII. Daftar Pustaka

Klopmart. (February 23, 2021). 2 Kegunaan Solder, Komponen Beserta Jenis-Jenisnya. Retrieved August 21, 2022, from https://www.klopmart.com/article/detail/kegunaan-solder