

**LAPORAN PRAKTIKUM
PEMROGRAMAN PHYTON**

**PRAKTIKUM
WEB SCRAPPING**



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**PS D-III TEKNIK INFORMATIKA
SEKOLAH VOKASI
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Hasil dan Pembahasan

- TITLE
Code

```
title.py > ...
1  import requests
2  from bs4 import BeautifulSoup
3  import csv
4
5  url = 'https://proxyway.com/news'
6
7  response = requests.get(url)
8
9  if response.status_code == 200:
10     soup = BeautifulSoup(response.content, 'html.parser')
11     titles = soup.find_all('h2')
12     data = []
13
14     for title in titles:
15         data.append(title.text)
16
17     with open('titles.csv', mode='w', newline='', encoding='utf-8') as file:
18         writer = csv.writer(file)
19         writer.writerow(['Title'])
20         writer.writerows(map(lambda x: [x], data))
21
22     print("Data telah diekspor ke dalam file titles.csv")
23 else:
24     print('Gagal mengambil halaman:', response.status_code)
25
```

```
titles.csv > data
1 Title
2 Oxlabs Lowers Mobile Proxy Prices by Up to 60%
3 Bright Data Equalizes Residential and Mobile Proxy Rates
4 Rayobyte Publishes a Whitepaper on Preventing Proxy Abuse
5 ScrapeCon 2024: A Recap
6 Infatica Makes Its Residential Proxies Up to 43% Cheaper
7 "Rayobyte Decreases Residential Proxy Prices, Moves to Subscription"
8 Bright Data's ScrapeCon to Take Place on April 2
9 Oxlabs Cuts Residential Proxy Rates by Up to 20%
10 Bright Data Reduces Residential Proxy Prices by 20%
11 Col 1: Title I Scraping Functionality to Its API
12 Smartproxy Slashes Residential Proxy Prices by Up to 25%
13 Meta Drops the Case Against Bright Data
14
```

- IMAGE

Code

```
image.py > ...
1 import requests
2 from bs4 import BeautifulSoup
3 import csv
4
5 r = requests.get('https://proxyway.com/news')
6 soup = BeautifulSoup(r.content, 'html.parser')
7
8 images_list = []
9 images = soup.select("img")
10
11 for image in images:
12     src = image.get('src')
13     alt = image.get('alt')
14     images_list.append((src, alt))
15
16 with open('images_info.csv', mode='w', newline='') as file:
17     writer = csv.writer(file)
18     writer.writerow(['Src', 'Alt'])
19     for image_info in images_list:
20         writer.writerow([image_info[0], image_info[1]])
21
22 print("Data telah diekspor ke dalam file images_info.csv")
23
```

```

images_info.csv > data
1 Src,Alt
2 https://proxyway.com/wp-content/uploads/2023/04/proxyway.svg?ver=1681290142,Proxyway
3 https://proxyway.com/wp-content/uploads/2023/04/Newsfeed-image-min.png,Adam sitting in a chair reading a newspaper
4 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
5 https://proxyway.com/wp-content/uploads/2020/07/oxylabs-logo.png?ver=1704718753,Oxylabs logo
6 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
7 https://proxyway.com/wp-content/uploads/2022/05/bright-data-logo.png?ver=1704718964,Bright Data logo
8 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
9 https://proxyway.com/wp-content/uploads/2022/07/rayobyte-logo.png?ver=1704718347,rayobyte logo
10 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
11 https://proxyway.com/wp-content/uploads/2022/05/bright-data-logo.png?ver=1704718964,Bright Data logo
12 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
13 https://proxyway.com/wp-content/uploads/2020/08/infatica-logo.png?ver=1704718655,infatica logo
14 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
15 https://proxyway.com/wp-content/uploads/2022/07/rayobyte-logo.png?ver=1704718347,rayobyte logo
16 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
17 https://proxyway.com/wp-content/uploads/2022/05/bright-data-logo.png?ver=1704718964,Bright Data logo
18 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
19 https://proxyway.com/wp-content/uploads/2020/07/oxylabs-logo.png?ver=1704718753,Oxylabs logo
20 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
21 https://proxyway.com/wp-content/uploads/2022/05/bright-data-logo.png?ver=1704718964,Bright Data logo
22 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
23 https://proxyway.com/wp-content/uploads/2022/03/zyte-logo.png?ver=1704718975,Zyte logo
24 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
25 https://proxyway.com/wp-content/uploads/2019/09/Smartproxy-Logo.png?ver=1704719397,smartproxy-logo
26 https://secure.gravatar.com/avatar/40de7ce27e119cfc9a04eef5e77cc6c2?s=96&r=g,Adam Dubois
27 https://proxyway.com/wp-content/uploads/2022/05/bright-data-logo.png?ver=1704718964,Bright Data logo
28 https://proxyway.com/wp-content/uploads/2023/04/proxyway.svg?ver=1681290142,Proxyway
29

```

- KETERANGAN

Code

```

keterangan.py > ...
1 import requests
2 from bs4 import BeautifulSoup
3 import csv
4
5 url = 'https://proxyway.com/news'
6
7 response = requests.get(url)
8
9 if response.status_code == 200:
10     soup = BeautifulSoup(response.content, 'html.parser')
11     div_elements = soup.find_all('div', attrs={'data-widget_type': 'theme-post-excerpt.default'})
12
13     if div_elements:
14
15         with open('keterangan.csv', 'w', newline='', encoding='utf-8') as csvfile:
16             csvwriter = csv.writer(csvfile)
17
18             for div_element in div_elements:
19                 inner_div = div_element.find('div', class_='elementor-widget-container')
20                 if inner_div:
21                     text_content = inner_div.get_text(strip=True)
22                     csvwriter.writerow([text_content])
23                     print(text_content)
24     else:
25         print(f'Failed to fetch webpage. Status code: {response.status_code}')

```

keterangan.csv > data

```
1  "In essence, the provider's mobile proxies just got 65% cheaper."
2  The document describes Rayobyte's three-pronged approach against bad actors.
3  Our impressions from Bright Data's first virtual conference on web scraping.
4  The provider's plans now give significantly more traffic for the same price.
5  The new rates are up to 50% cheaper in lower ranges.
6  The rescheduled web scraping conference is now in a week.
7  The reduction affects the provider's pricing in a week.
8  The second round of price cuts continues.
9  "The tool can now crawl, unblock, and parse websites using AI and an optional no-code interface."
10 It's the second price cut in less than a year.
11 The dispute results in a complete win for the data collection infrastructure provider.
12 The Israeli proxy provider moves up the data extraction value chain.
13
```