




Lampiran 1

	STMIK PPKIA PRADNYA PARAMITA MALANG	
	FORMULIR BERITA ACARA BIMBINGAN SKRIPSI/TA/TPK/PKTI	KODE FORM : FM-BAAK-023-3 REVISI : 00 TANGGAL : 20 Juli 2010

1. Nama : RIFA RUSYIDI
2. NIM : 16.51.0010
3. Program Studi : SISTEM INFORMASI
4. Judul Laporan : IMPLEMENTASI WEB SCRAPING UNTUK PEN-
CARIAN PRODUK DENGAN METODE X-PATH PADA
HALAMAN WEB E-COMMERCE

No.	Tanggal Konsultasi	Keterangan	Paraf Pembimbing
1.	21 Jan. 20	Rev. Bab I. & Bab II	
2.	22 Jan. 20	Tambahan Revisi Bab I & Bab II	
3.	19 Feb '20	Progress aplikasi (program)	
4.	14 Mei 20	Bimbingan Bab II, III, IV, V	
5.	5 Jun 20	Bimbingan Bab III	
6.	6 Jun 20	Finishing Bab I - V	

Mengetahui,
Ketua Program Studi
Sistem Informasi.....



Dwi. Safiroh Utalina, S.Kom, M.Msi

Malang, 28 / 1 / 2020
Pembimbing I / II



Dwi. Safiroh Utalina, S.Kom, M.Msi

**STMIK PPKIA PRADNYA PARAMITA MALANG****FORMULIR BERITA ACARA BIMBINGAN
SKRIPSI/TA/TPK/PKTI**KODE FORM : FM-BAK-023-3
REVISI : 00
TANGGAL : 20 Juli 2010

1. Nama : RIFQI ROSYIDI
2. NIM : 16.51.0010
3. Program Studi : SISTEM INFORMASI
4. Judul Laporan : IMPLEMENTASI WEB SCRAPING UNTUK PENCARIAN
PRODUK DENGAN MENGGUNAKAN METODE X-PATH PADA
HALAMAN WEB E-COMMERCE

No.	Tanggal Konsultasi	Keterangan	Paraf Pembimbing
1.	21. Jan. 20	Rev. Bab I	
2.	22 Jan 20	Rev. Bab I → Selesai, Aac	
3.	9. Feb. 20	Progres aplikasi	
4.	30. Mar 20	Bimb. Bab I	
5.	30 Mar 20	Review Bab I → Selesai	
6.	30 Mar 20		
6.	6. Mei 20	Konsultasi Bab I - V	
7.	20 Mei 20	Review Konsultasi Bab I - V	
8.	6. Jun. 20	Finishing Bab I - V	

Mengetahui,
Ketua Program Studi
Sistem Informasi.....
Dwi Saputra, S.Kom, mmsiMalang, 28.1.2020
Pembimbing I/H
Dr. Tubagus M. Akhrizal, S.Si, mmsi

LISTING PROGRAM

1. XPath Implementation

```
def handle_olx(target_url, header_url):
    try:
        page = requests.get(target_url, headers=header_url)
    except ConnectionError as err:
        print(err)

    tree = html.fromstring(page.content)

    title = tree.xpath('//span[@class="_2tW1I"]/text()')
    price = tree.xpath('//span[@class="_89yzn"]/text()')
    image = tree.xpath('//figure[@class="_2grx4"]/img/@src')
    location = tree.xpath('//div[@class="_1KOFM"]/span[@class="tjgMj"]/text()')
    raw_link = tree.xpath('//span[@class="_2tW1I"]/ancestor::a/@href')

    site = 'https://www.olx.co.id'
    link = [site+list_item for list_item in raw_link]

    source = []
    for i in range(len(title)):
        source.append('olx')

    return zip(title, price, image, location, link, source)

def handle_uqshop(target_url, header_url):
    try:
        page = requests.get(target_url, headers=header_url)
    except ConnectionError as err:
        print(err)

    tree = html.fromstring(page.content)

    title = tree.xpath('//h2[@class="woocommerce-loop-product__title"]/text()')
    price = tree.xpath('//span[@class="price"]/ins/span/text()')
    image = tree.xpath('//div[@class="product-image-box"]/a/img/@src')
    location = []
    link = tree.xpath('//a[@class="product-detail-link"]/@href')
    source = []

    for i in range(len(title)):
        location.append("Malang, Jawa Timur")
        source.append('uqshop')

    return zip(title, price, image, location, link, source)
```

```

def handle_elevenia(target_url, header_url):
    try:
        page = requests.get(target_url, headers=header_url)
    except ConnectionError as err:
        print(err)

    tree = html.fromstring(page.content)

    title = tree.xpath('//a[@class="pordLink notranslate"]/text()')
    price = tree.xpath('//div[@class="prc"]/strong/text()')
    image = tree.xpath('//div[@class="group"]/a/img/@src')
    location = tree.xpath('//ul[@class="sellerPlace"]/li/text()')
    link = tree.xpath('//a[@class="pordLink notranslate"]/@href')
    source = []

    for i in range(len(title)):
        source.append('elevenia')

    return zip(title, price, image, location, link, source)

def handle_sorabel(target_url, header_url):
    try:
        page = requests.get(target_url, headers=header_url)
    except ConnectionError as err:
        print(err)

    tree = html.fromstring(page.content)

    title = tree.xpath('//div[@data-qa-id="qa_common_card"]/div[@data-qa-id="qa_product_info"]/div/a/span/text()')
    price = tree.xpath('//div[@data-qa-id="qa_common_card"]/div[@data-qa-id="qa_product_info"]/div/a[2]/div/text()')
    image = tree.xpath('//div[@data-qa-id="qa_common_card"]/a/div/div/img/@src')
    location = []
    raw_link = tree.xpath('//div[@data-qa-id="qa_common_card"]/a/@href')
    source = []

    site = 'https://www.sorabel.com'
    link = [site + list_item for list_item in raw_link]

    for i in range(len(title)):
        location.append('Indonesia')
        source.append('sorabel')

    return zip(title, price, image, location, link, source)

```

RIWAYAT HIDUP

I was born in Lamongan, I do not remember much of my early childhood, my mom said I was very active, communicative, but very curious. I would ask some of questions that seems very unique to my mother. I do remember when my father also buy me the first bicycle. it was fun.

Fortunately, my thirst for knowledge did not come to an end when I was at high school at MAM 01 Karangasem Paciran. I was passionate about math, biology, and technology. This passion helped me gain a profound knowledge of these areas especially in computer & technology.

However I wasn't admitted to the college of my dreams. But i manage to get to one of private university with scholarship in Malang, I was a student of Sistem Informasi at STMIK Pradnya Paramita Malang, and I feel very happy about it.

I am certain that my degree will become my ticket to a better tomorrow. I want to become a great programmer in the field of web development. I study hard and devote my free time to build some projects, watch online tutorial from many sources, and sometimes talking with specialist in the field.

I have come to believe that some factors determine success. One of is a person's determination and will to succeed. Second one is the support of people around you. Being determined to succeed does not mean alienating everyone and stepping on other people to achieve your goal. On the contrary, success is about recognizing your weaknesses and accepting support from people who genuinely want to help you.