


Korek Usaha Digital Online *SE2026*





**Klik ini untuk
akses KUDO**

KUDO adalah sebuah Inovasi dalam pengumpulan data usaha digital di Kota Solok berbasis scraping dan processing data secara otomatis oleh BPS Kota Solok



Tujuan

- **Inovasi dan pengembangan metodologi statistik dalam pengumpulan data usaha digital**
- **Optimalisasi dan Efisiensi tahapan (workflow) pengumpulan data terkait Usaha/Bisnis Digital**

Manfaat

- **Sebagai Perbandingan Data Ground Check SBR (matchapro) dengan data hasil scraping**
- **sebagai Validasi koordinat dan juga nama usaha pada matchapro dengan data scraping**



BATASAN DATA

**Google Maps
Sosial Media:**

- **Instagram**
- **Facebook**

E-Commerce:

- **Shopee**
- **Tokopedia**



Tools & Platform



Instant Data Scraper Extension

Merupakan ekstensi di Chrome untuk melakukan scraping data pada suatu website

APIFY



platform cloud terkemuka untuk web scraping dan otomatisasi tugas web yang memungkinkan pengguna mengekstrak data terstruktur dari situs web mana pun. Platform ini menyediakan lebih dari 2.000 alat siap pakai (Actors)



Python & Streamlit

Python adalah Bahasa pemrograman untuk analisis dan pengolahan data, yang dapat dijalankan pada google colaboratory ataupun visual studio code dan juga streamlit (merupakan environment deployment berbasis website). Pada tahapan ini kita menggunakan streamlit, sehingga hanya cukup upload file untuk melakukan data processing secara otomatis



Kekurangan

APIFY

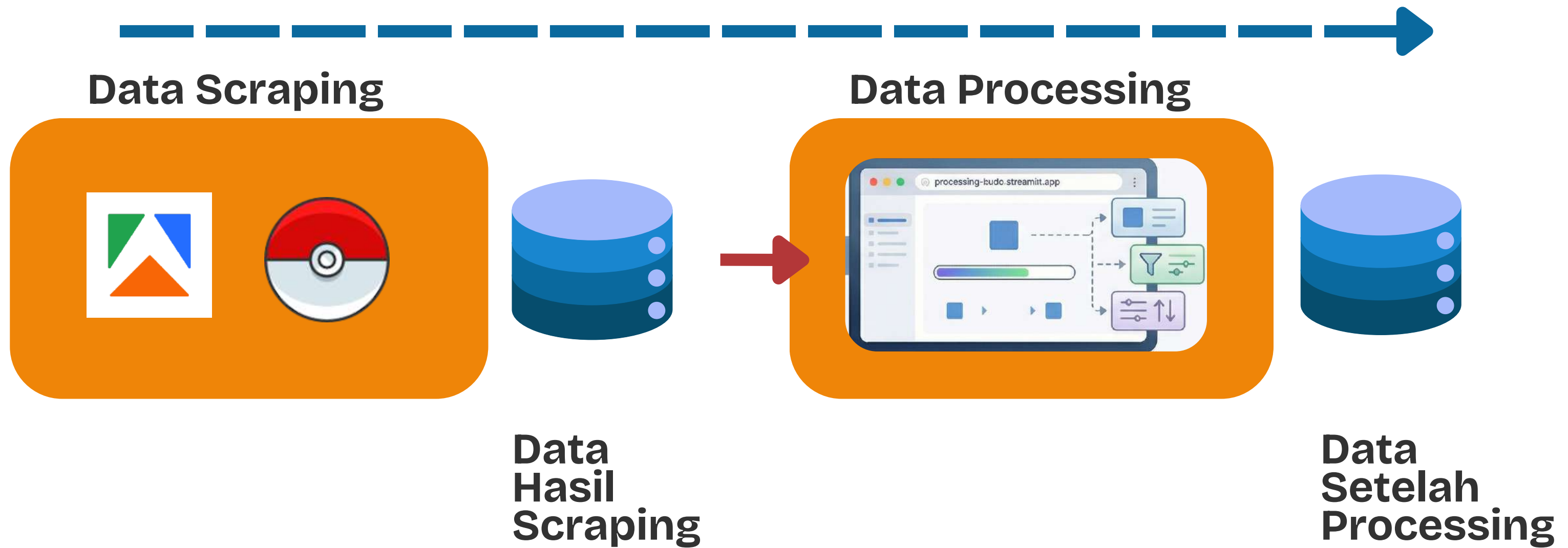
Memerlukan lisensi, free trial hanya diberi \$5 dan beberapa jam pada actors tertentu

Python

Memerlukan kemampuan teknis pemrograman python, jika dijalankan di lingkungan python (Visual Studio Code & Google Colaboratory)



Diagram Proses



Tahapan Scrapping dan Data Processing di KUDO



Tahapan Pengumpulan Data (Data Scraping)



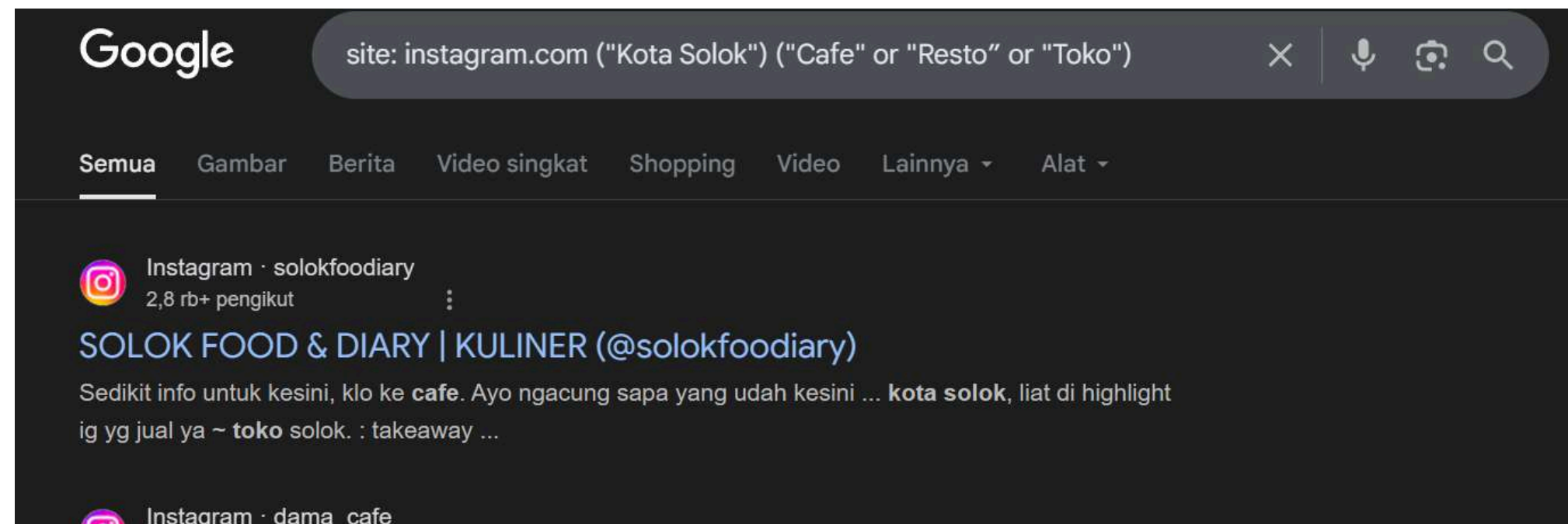


Instagram

1. Tentukan keyword usaha discraping contoh: Cafe, Resto, Bengkel, Toko, Kios
2. Buka browser Chrome ditulis ini (d disesuaikan dengan usaha ingin dicari):
site: instagram.com ("Kota discraping") ("keyword 1 dicari" or "keyword 2 dicari")

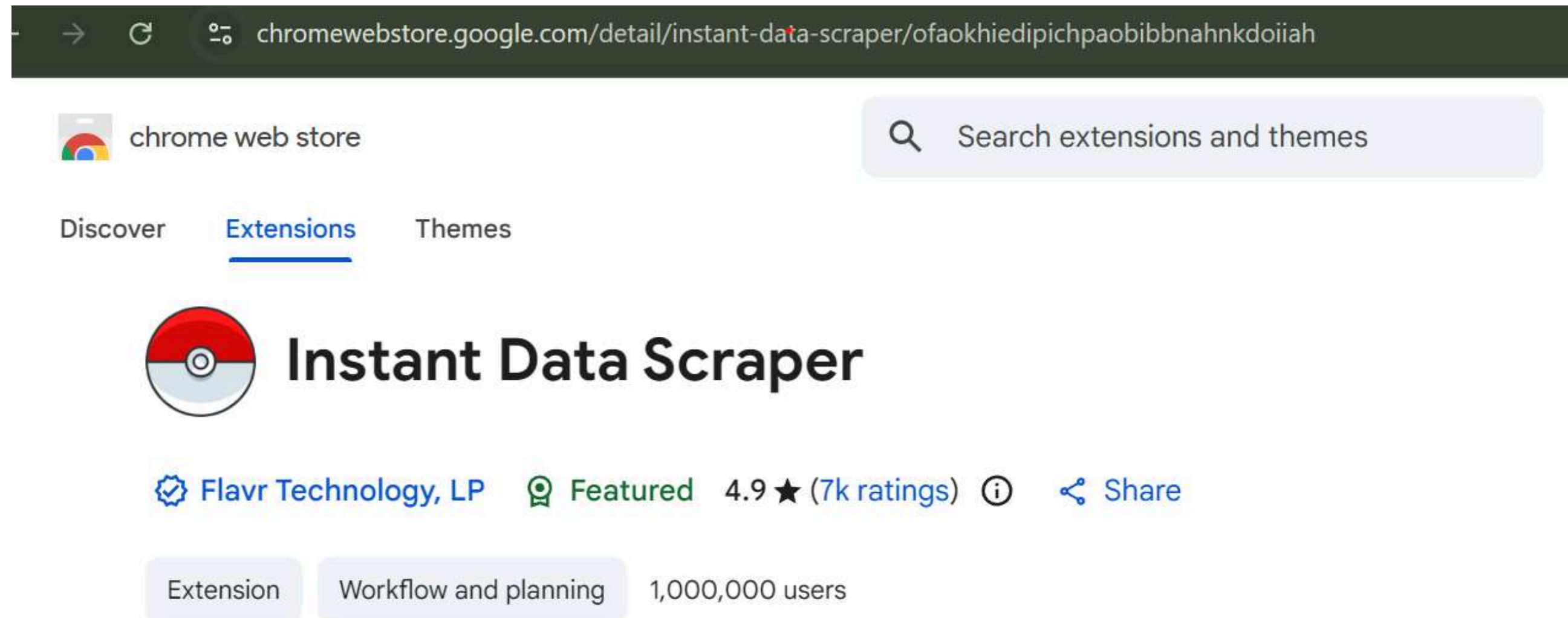
Contoh

site: instagram.com ("Kota Solok") ("Cafe" or "Resto" or "Toko")



Instagram

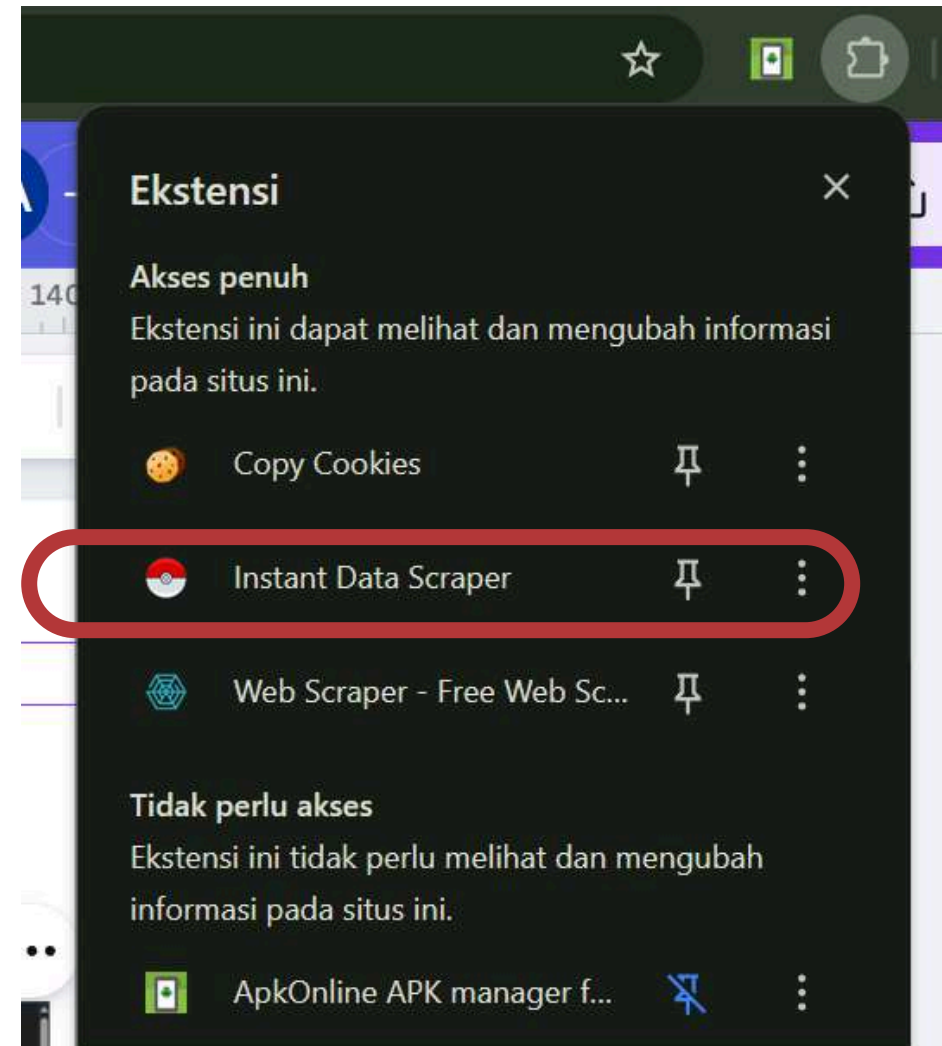
3. Install ekstensi ini terlebih dahulu di Google Chrome:
<https://chromewebstore.google.com/detail/instant-data-scraper/ofaokhiedipichpaobibbnahnkdoiiah>



The screenshot shows the Chrome Web Store interface. At the top, the address bar displays the URL: `chromewebstore.google.com/detail/instant-data-scraper/ofaokhiedipichpaobibbnahnkdoiiah`. Below the address bar, the "chrome web store" logo is on the left, and a search bar with the text "Search extensions and themes" is on the right. The navigation menu includes "Discover", "Extensions" (which is underlined), and "Themes". The main content area features the extension's icon, a red and white Poké Ball, followed by the title "Instant Data Scraper". Below the title, the developer is listed as "Flavr Technology, LP", the extension is marked as "Featured", and it has a rating of "4.9 ★ (7k ratings)". There is also an "i" icon for information and a "Share" button. At the bottom, there are three buttons: "Extension", "Workflow and planning", and "1,000,000 users".

Instagram

4. Klik ekstensi tersebut, lalu klik mulai start crawling, setelah sudah, selanjutnya klik 2 (untuk halaman selanjutnya, ulangi hingga halaman seterusnya), setelah sudah download file excelnya



Instant Data Scraper

Try another table

Locate "Next" button

Start crawling

Download CSV

Download XLSX

COPY ALL

Pages scraped: 1
Rows collected: 11
Rows from last page: 11
Working time: 0s

Infinite scroll

Min delay 1 sec

Max delay 20 sec

"Next" button located. Press "Start crawling" to get more pages or mark another button/link if marked incorrectly.

zReHs href	LC20Ib	
https://www.instagram.com/p/DSTol37jyVO/	55 tahun Kota Solok melangkah, menorehkan c	data:ima
https://www.instagram.com/disdiksolokkota/	Akun Resmi "Dinas Pendidikan Kota Solok ...	data:ima
https://www.instagram.com/pemdakotasolok/	Pemerintah Kota Solok (@pemdakotasolok)	data:ima
https://www.instagram.com/reel/DDnytyDTfZx/	SELAMAT HARI JADI KOTA SOLOK YANG KE-	data:ima
https://www.instagram.com/p/DTTtdW9E6he/	Photo by Diskominfo Kota Solok (@diskominfo	data:ima
https://www.instagram.com/bps_kotasolok/	BPS Kota Solok (@bps_kotasolok)	data:ima
https://www.instagram.com/kpukotasolok/?hl=id	KPU Kota Solok (@kpukotasolok) - Instagram	data:ima
https://www.instagram.com/reel/DPIYE1UEqz/	Promkeskotasolok Jangan lupa vaaa Sobat Se	data:ima

Indonesia 27326, Sumatera Barat - Dari alamat IP Anda - Perbarui lokasi

Bantuan Kirim masukan Privasi Persyaratan

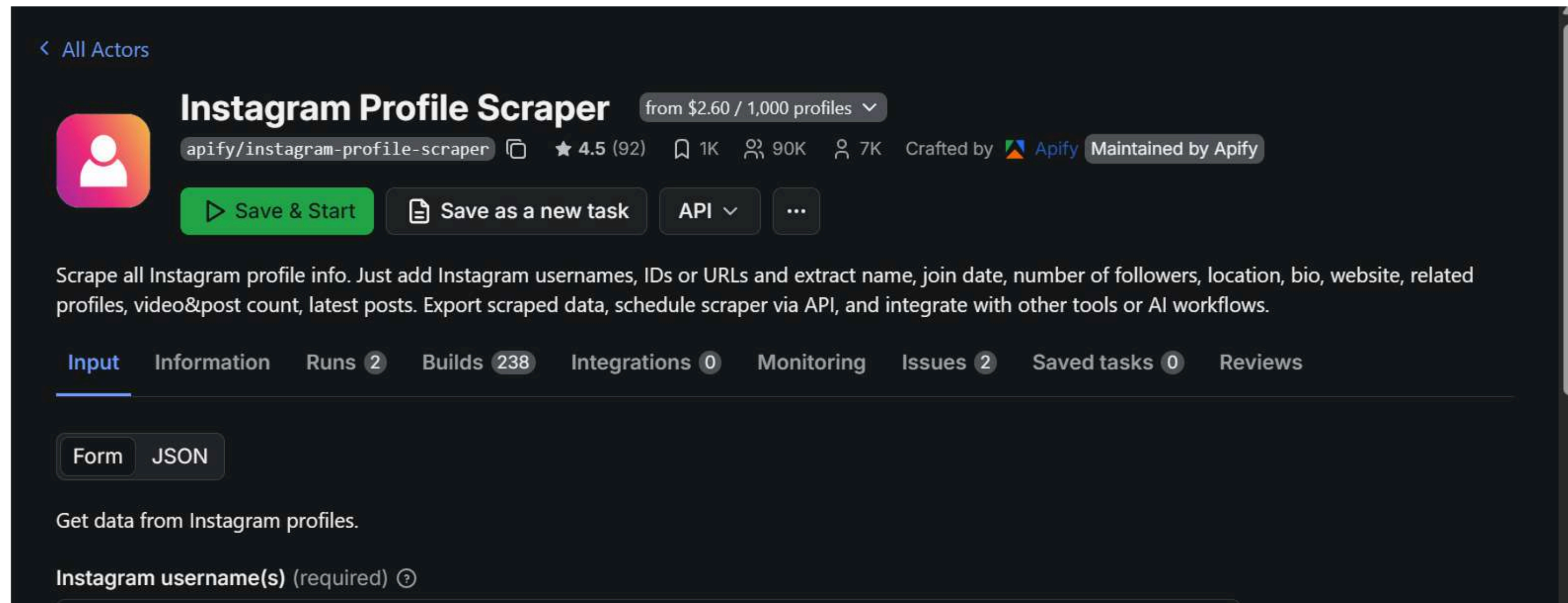
Instagram

5. Dikarenakan pada excel ini cuman hanya ada sedikit informasi pada setiap kolom, maka kita ambil url-nya, copy dan akan digunakan pada actor Instagram profile scraper di apify untuk memperoleh informasi alamat dan nomor telepon yang diambil dari bio profil instagram

4	https://www.instagram.com/percetakansolok/	Print Solok (@percetakansolok)	Ir
5	https://www.instagram.com/familydeptstore.solo/	For you and your Family ❤️ (@familydeptstore.solo)	Ir
6	https://www.instagram.com/reel/Dlp4lw0TxvO/	a place to go in Solok : coffeeshop to go @sunda	Ir
7	Barberian - Premium Barbershop Solok (@barberian-solok)	Barberian - Premium Barbershop Solok (@barberian-solok)	Ir
8	https://www.instagram.com/iyoko_catering/	IYOKO Catering 081374 237 237 (@iyoko_catering)	Ir
9	https://www.instagram.com/reel/C6OgONIPtD/	IYOKO SKINCARE DAN KOSMETIK TERLENGKAP	Ir
10	https://www.instagram.com/ecoartcafe.ig/	Eco Art Cafe (@ecoartcafe.ig) • Instagram photo	Ir
11	https://www.instagram.com/whatever.slk/	WHATEVER RESTO & POOL (SOLOK) (@whatever.slk)	Ir
12	https://www.instagram.com/dirasalon_solok/	DiraSalon&Spa (@dirasalon_solok)	Ir
13	https://www.instagram.com/reel/DOdH-t_EbD/	Resto di Kota Solok dengan menu lengkap & ter	Ir
14	https://www.instagram.com/tokomunir_cv.nand/	TOKO MUNIR PASAR RAYA SOLOK (@tokomunir_cv.nand)	Ir
15	https://www.instagram.com/riosalon_solok/	Riosalon Solok (@riosalon_solok)	Ir
16	https://www.instagram.com/nn_cateringsolok/	NN CATERING (@nn_cateringsolok)	Ir
17	https://www.instagram.com/tokojunsolok/	Toko Jun Solok KOSMETIK TERMURAH (@tokojunsolok)	Ir
18	https://www.instagram.com/p/DS7Wtiljxxr/	Kami berharap Jenggala Cafe tidak ...	Ir
19	https://www.instagram.com/bakmiesawahsolok/	BAKMIE SAWAH SOLOK 100% halal RESTO B	Ir

Instagram

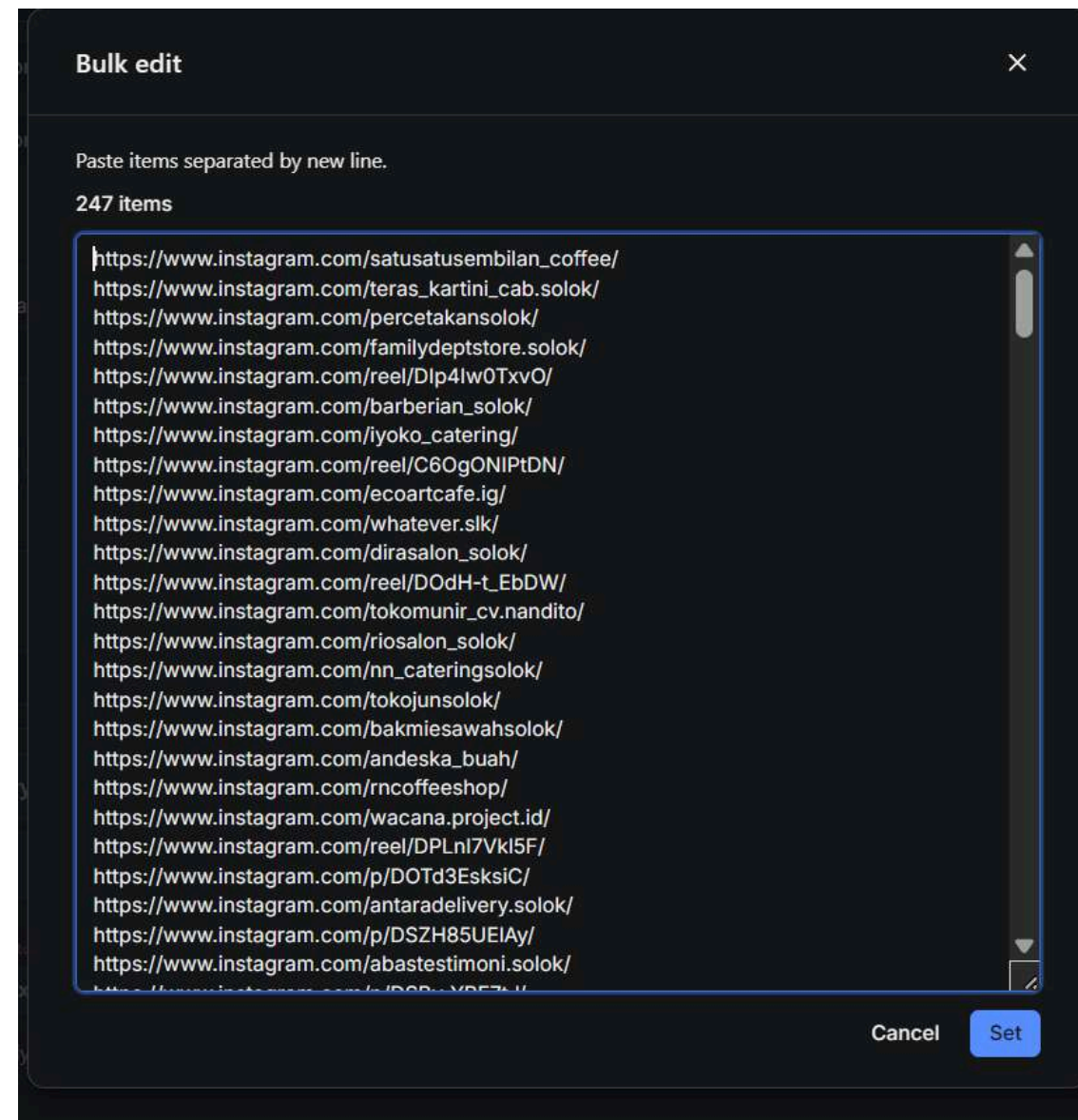
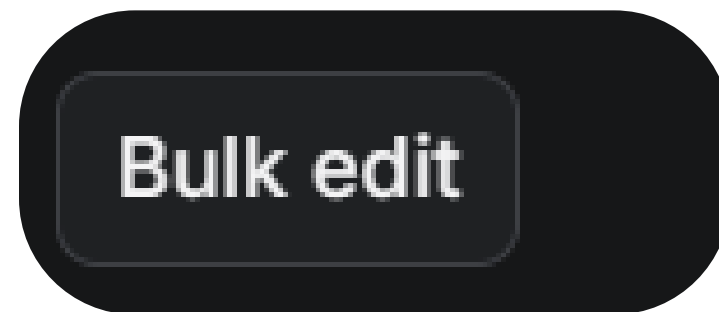
6. Lalu buka console.apify.com, klik apify store, cari Instagram Profil Scrapper seperti gambar ini



The screenshot shows the Apify store page for the 'Instagram Profile Scraper' tool. The page is dark-themed and features a navigation bar at the top with a back arrow and the text '< All Actors'. The main content area includes a profile icon for the tool, its name 'Instagram Profile Scraper', and a price tag 'from \$2.60 / 1,000 profiles'. Below the name, there is a link to the tool's page 'apify/instagram-profile-scraper', a star rating of 4.5 (92), and icons for bookmarks (1K), followers (90K), and subscribers (7K). The tool is credited to 'Apify' and is maintained by 'Apify'. A row of action buttons includes 'Save & Start' (green), 'Save as a new task', 'API', and a three-dot menu. A descriptive paragraph states: 'Scrape all Instagram profile info. Just add Instagram usernames, IDs or URLs and extract name, join date, number of followers, location, bio, website, related profiles, video&post count, latest posts. Export scraped data, schedule scraper via API, and integrate with other tools or AI workflows.' Below this, a horizontal navigation bar shows 'Input' (selected), 'Information', 'Runs 2', 'Builds 238', 'Integrations 0', 'Monitoring', 'Issues 2', 'Saved tasks 0', and 'Reviews'. At the bottom, there are two tabs: 'Form' and 'JSON'. The main description reads 'Get data from Instagram profiles.' and the first input field is labeled 'Instagram username(s) (required)' with a help icon.

Instagram

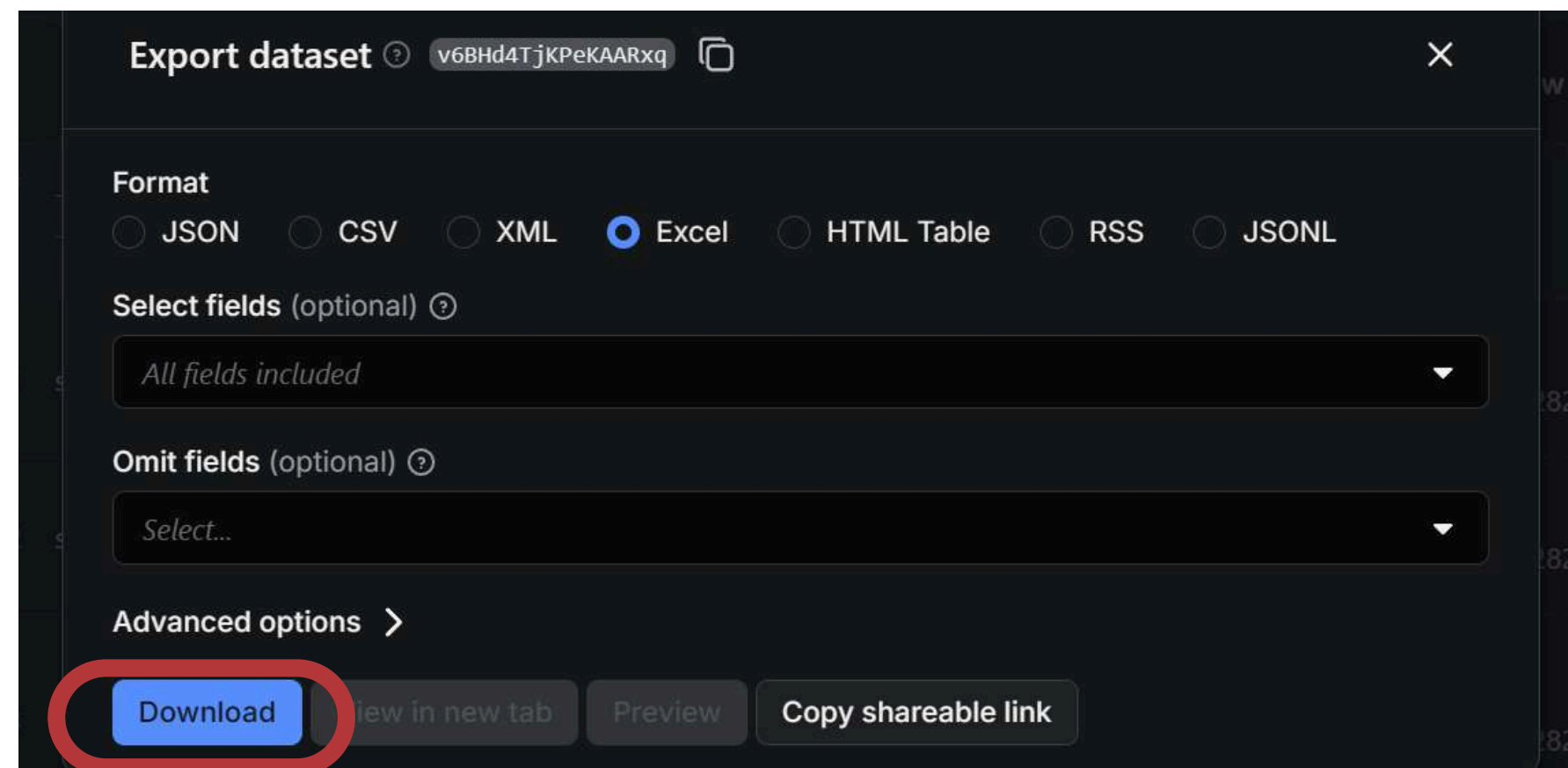
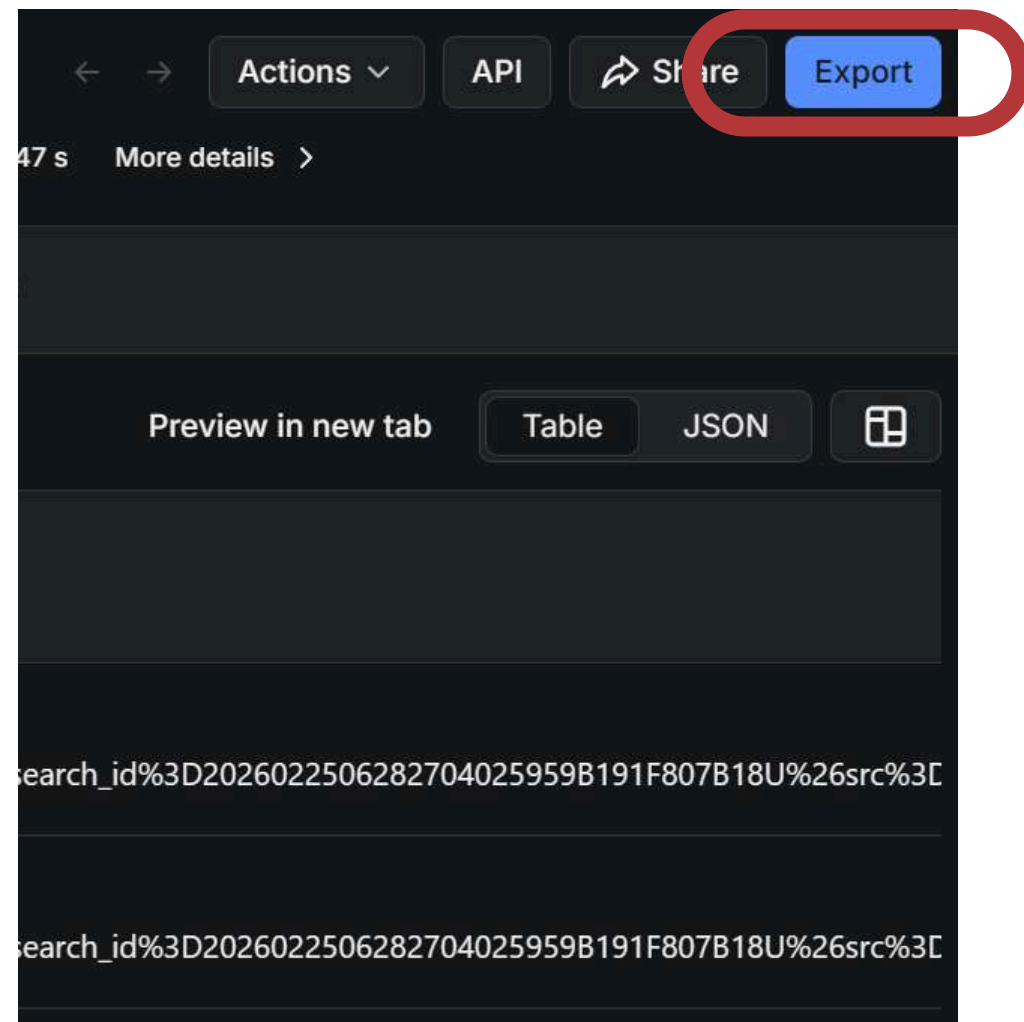
7. Klik bulk edit, paste-kan url dicopy sebelumnya, lalu klik set



Instagram

8. Lalu klik save & start, dan tunggu proses scraping selesai

9. Proses scraping telah selesai, klik export, lalu download data hasil scraping, dengan file didownload menyesuaikan kebutuhan (pada step ini, didownload file berformat json, dikarenakan struktur penyimpanan pada instagram hierarki/bercabang)





Facebook



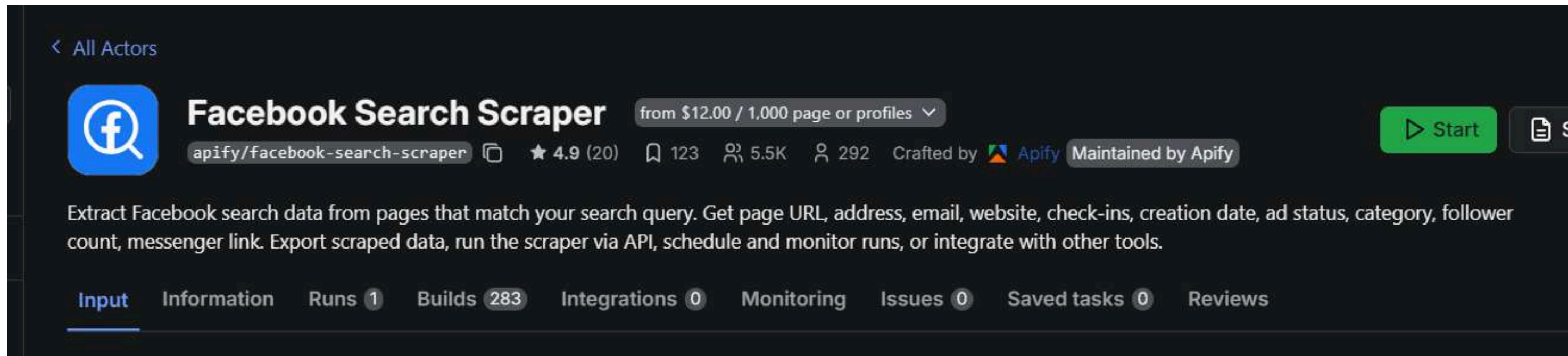
Facebook

1. Tentukan keyword jenis usaha akan digunakan untuk mengumpulkan data terlebih dahulu di microsoft word, Contoh:

- **Cafe**
- **Minimarket**
- **Toko**
- **Kios**
- **Bengkel**
- **Bank**
- **... dan Lainnya**

Facebook

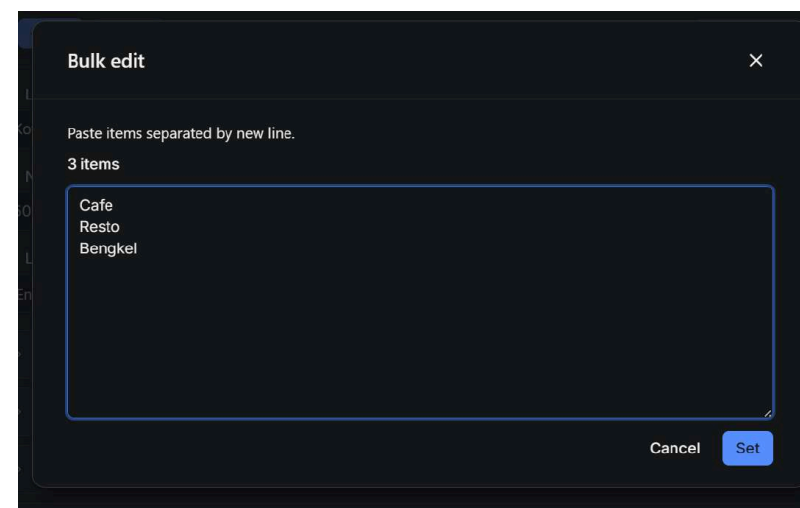
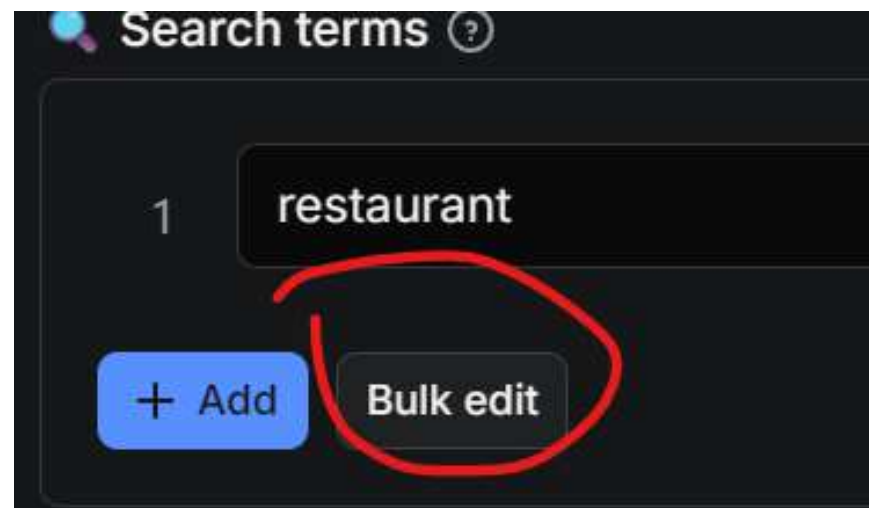
2. Lalu buka console.apify.com , klik apify store, cari Facebook Search Scrapper seperti gambar ini



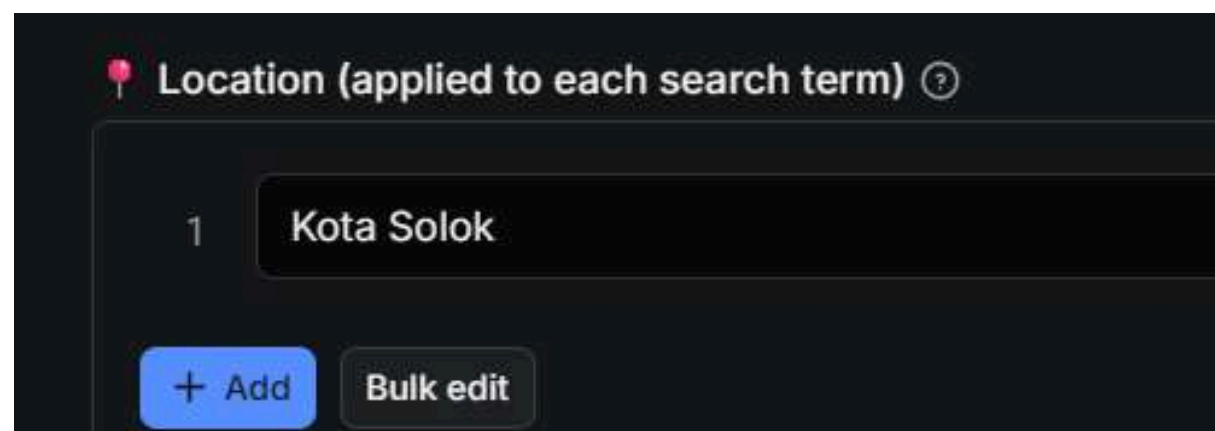
The screenshot shows the Apify store page for the 'Facebook Search Scraper'. The page features a dark theme with a blue header. At the top left, there is a back arrow and the text '< All Actors'. The main title is 'Facebook Search Scraper' in white, with a price tag 'from \$12.00 / 1,000 page or profiles' to its right. Below the title, there is a rating of 4.9 (20) stars, 123 bookmarks, 5.5K followers, and 292 followers. The page is crafted and maintained by Apify. A green 'Start' button is visible on the right. The description reads: 'Extract Facebook search data from pages that match your search query. Get page URL, address, email, website, check-ins, creation date, ad status, category, follower count, messenger link. Export scraped data, run the scraper via API, schedule and monitor runs, or integrate with other tools.' At the bottom, there is a navigation bar with tabs: 'Input' (selected), 'Information', 'Runs 1', 'Builds 283', 'Integrations 0', 'Monitoring', 'Issues 0', 'Saved tasks 0', and 'Reviews'.

Facebook

3. copy keyword jenis usaha di microsoft word, masukkan ke bagian search terms, lalu klik bulk edit, copy keyword sudah ditulis word, masukkan ke bulk edit, lalu klik set



4. Atur location diambil yaitu Kota Solok, lalu klik save & start untuk memulai proses scraping



Facebook

5. Atur parameter berikut agar scraping hanya mengambil Kota Solok

Location (use only one location per run) ?

Kota Solok, Indonesia

Geolocation parameters*

If free text **Location** doesn't yield desired area, you can try combination of specific location types or custom geolocation (polygon or circle). Just make sure to clear the **Location** field first, as it always has priority.

You can customize your area by:

- using combinations of specific **location types** (Country, City, State, County, and Postal code). You can always check with the **Structured** tab of [OpenStreetMap webapp](#) for validation of location types you want to cover.
- defining a **Custom search area** with pairs of coordinates (shaped like polygon or circle). Tutorial [here](#).

Country ?

Indonesia

City ?

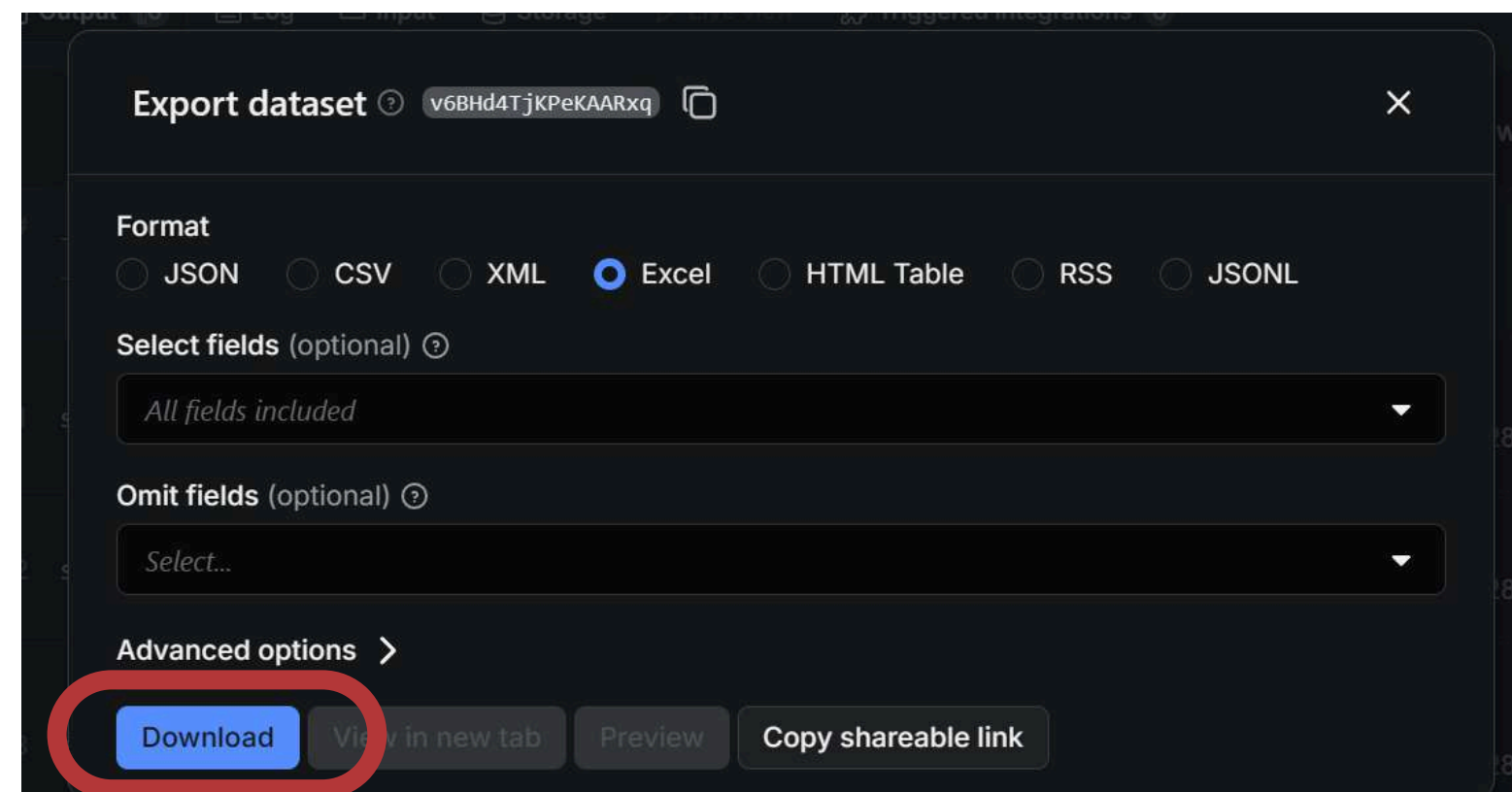
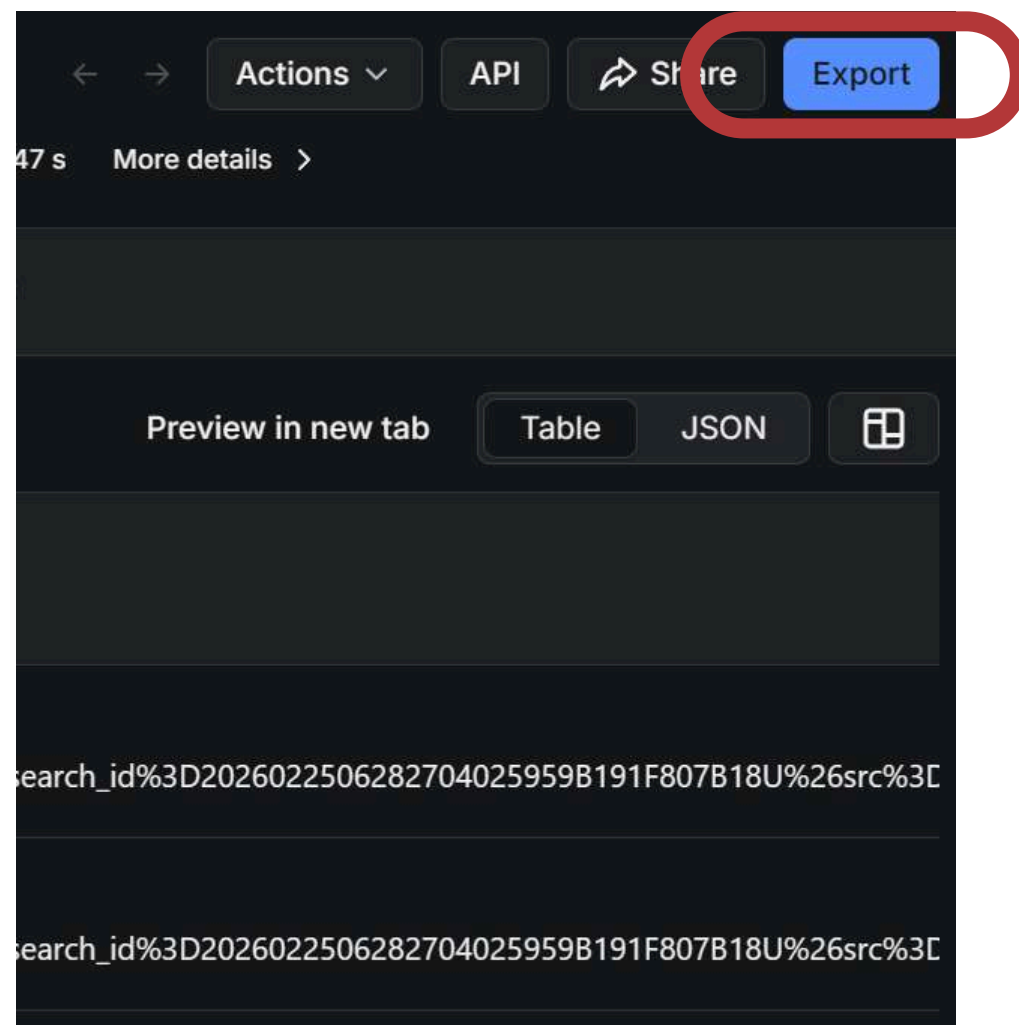
Kota Solok

6. Lalu klik save & start untuk memulai running proses scraping (dan tunggu proses scraping)

Save & Start Save Cancel changes

Facebook

7. Proses scraping telah selesai, Klik export, lalu download data hasil scraping, dengan file didownload menyesuaikan kebutuhan (pada step ini, didownload file berformat excel)





Google Maps





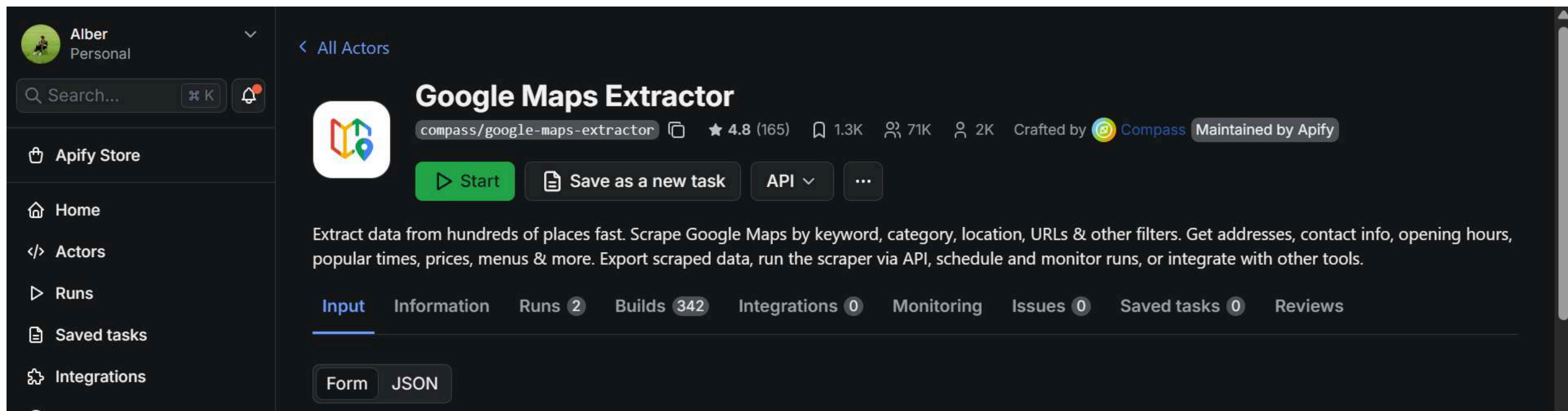
Google Maps

1. Tentukan keyword jenis usaha akan digunakan untuk mengumpulkan data terlebih dahulu di microsoft word, Contoh:

- **Cafe**
- **Minimarket**
- **Toko**
- **Kios**
- **Bengkel**
- **Bank**
- **... dan Lainnya**

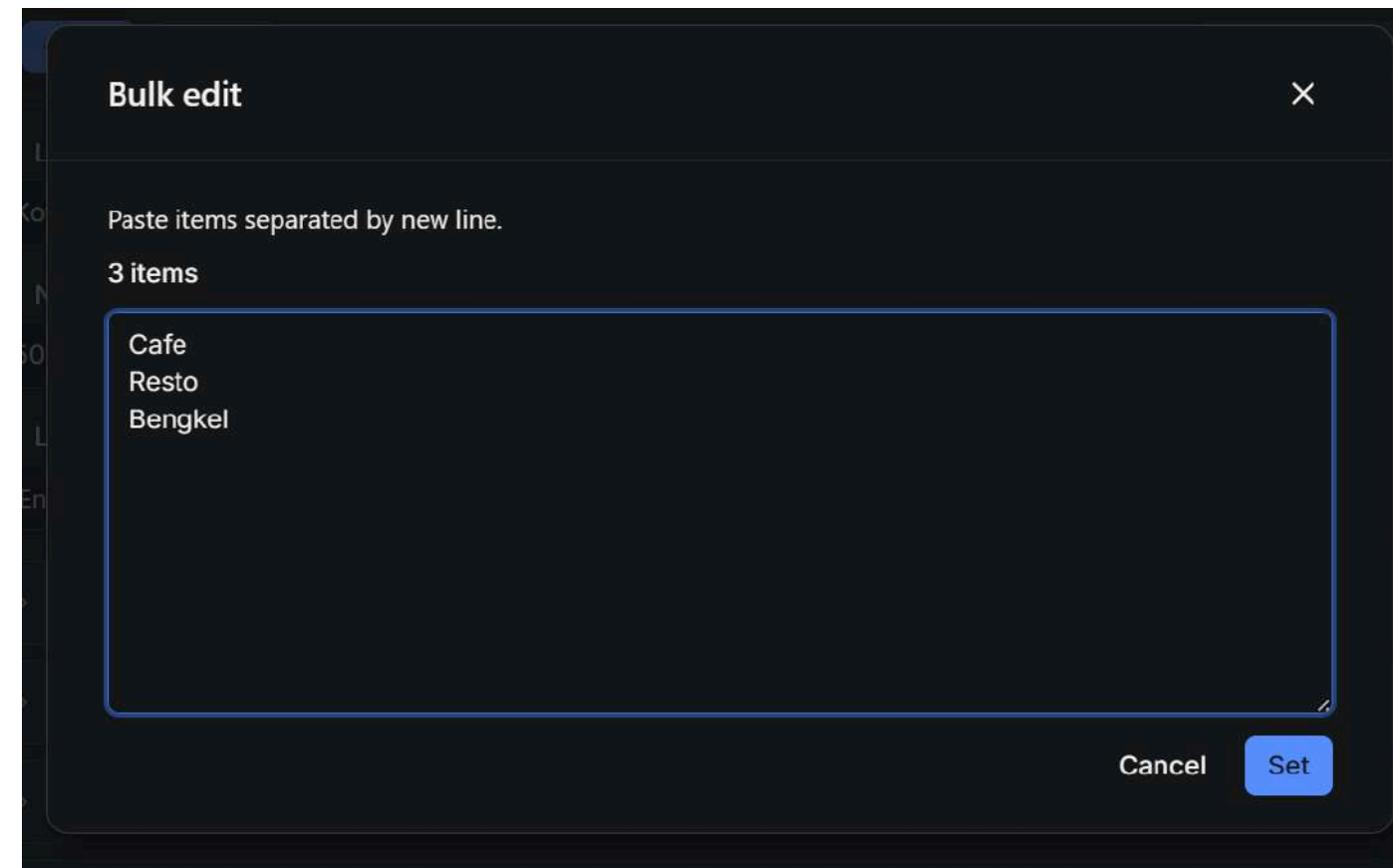
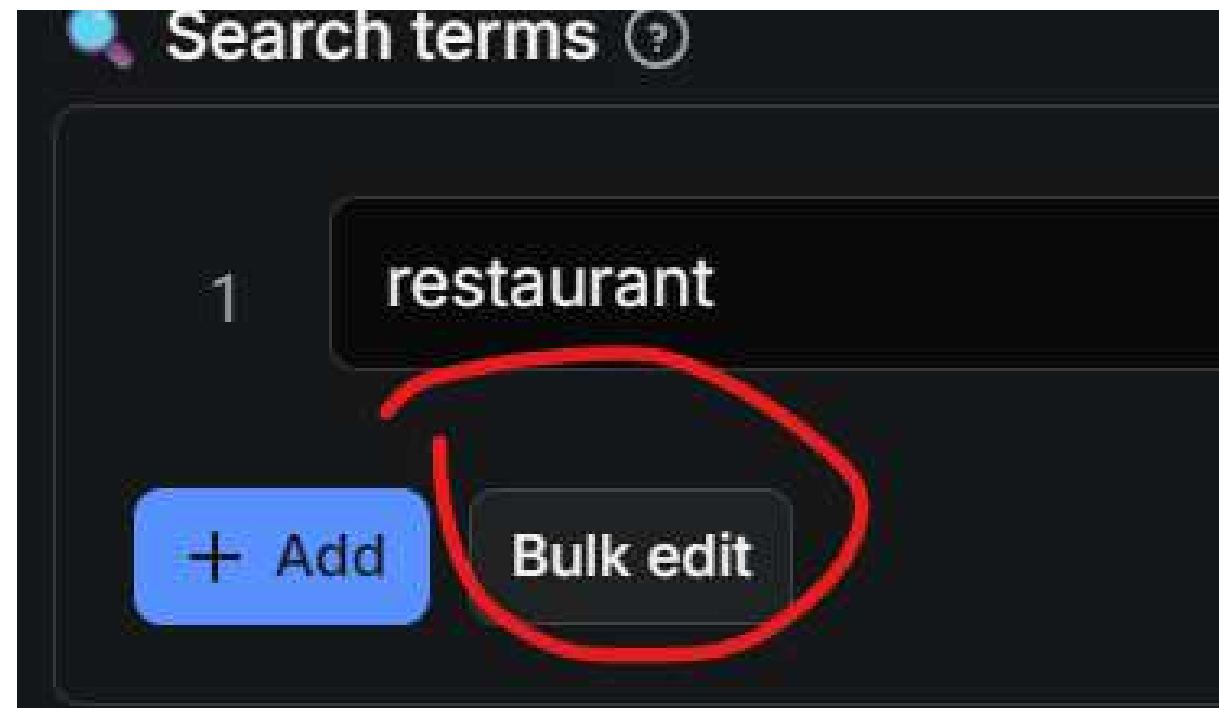
Google Maps

2. Lalu buka console.apify.com , klik apify store, cari Google Maps Extractor seperti gambar ini



Google Maps

3. copy keyword jenis usaha di microsoft word, masukkan ke bagian search terms, lalu klik bulk edit, copy keyword sudah ditulis word, masukkan ke bulk edit, lalu klik set



Google Maps

4. Atur parameter berikut agar scraping hanya mengambil Kota Solok

Location (use only one location per run) ⓘ
Kota Solok, Indonesia

Geolocation parameters*

If free text **Location** doesn't yield desired area, you can try combination of specific location types or custom geolocation (polygon or circle). Just make sure to clear the **Location** field first, as it always has priority.

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- defining a **Custom search area** with pairs of coordinates (shaped like polygon or circle). Tutorial [here](#).

Country ⓘ
Indonesia

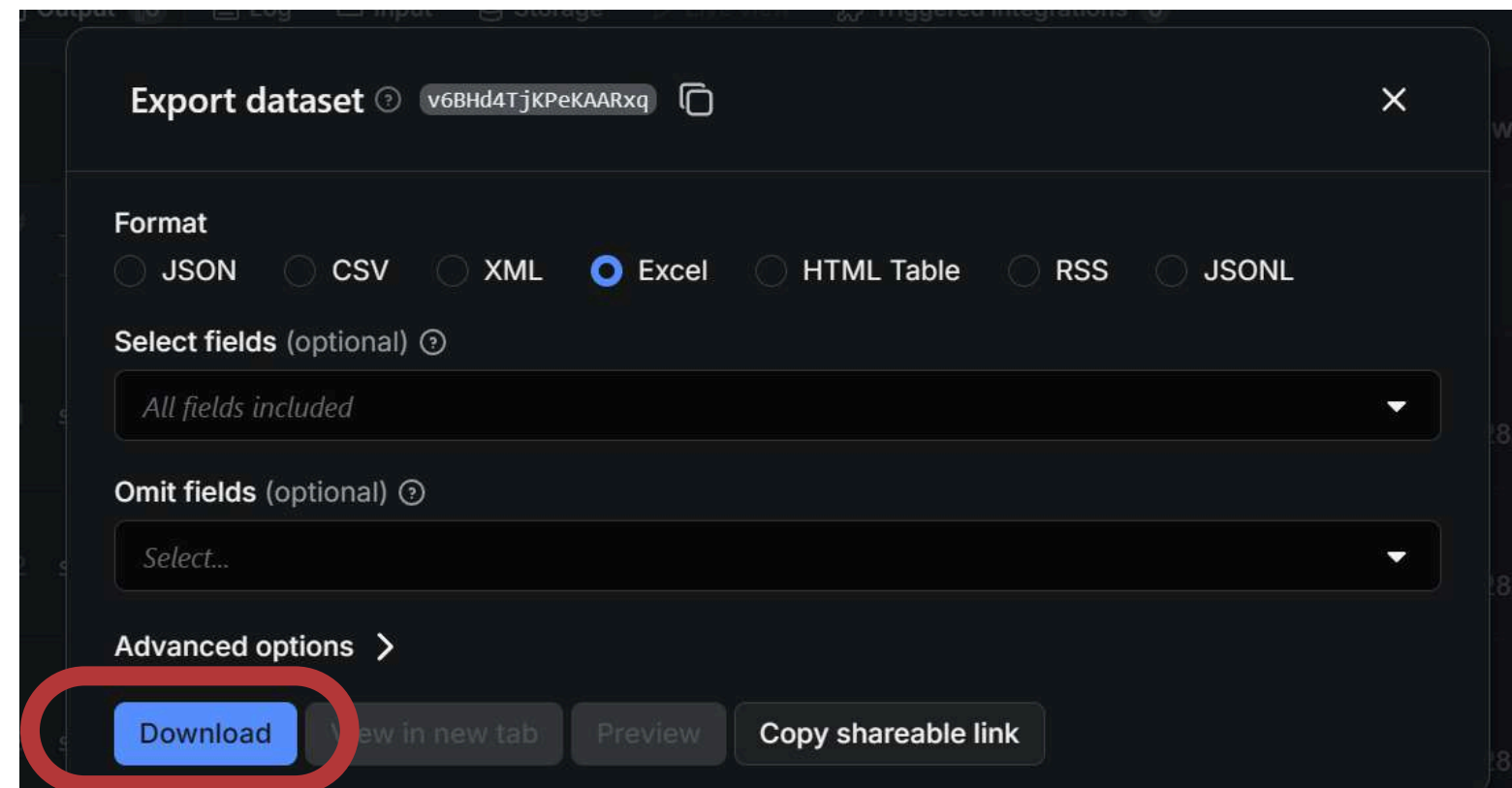
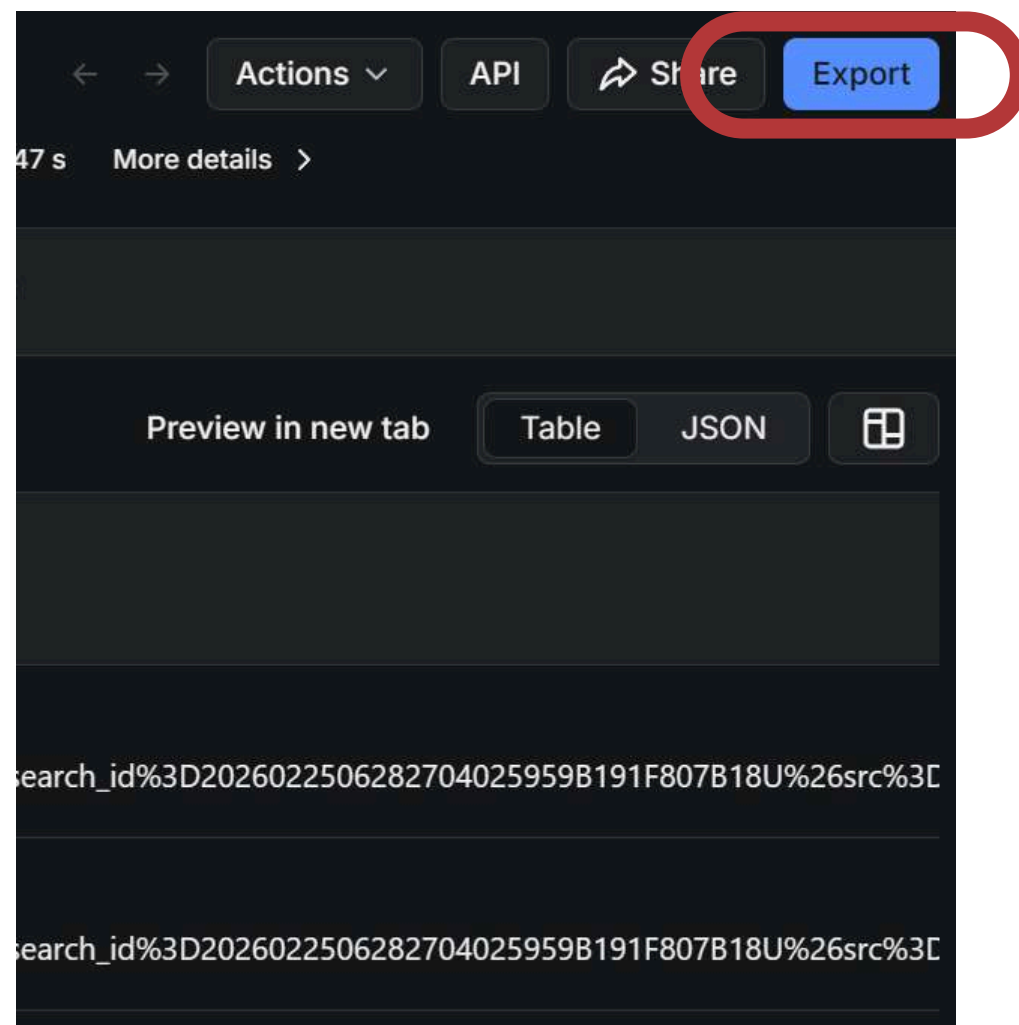
City ⓘ
Kota Solok

5. Lalu klik save & start untuk memulai running proses scraping (dan tunggu proses scraping)

▶ Save & Start Save Cancel changes ▾

Google Maps

6. Klik export, lalu download data hasil scraping, dengan file didownload menyesuaikan kebutuhan (pada step ini, didownload file berformat excel)





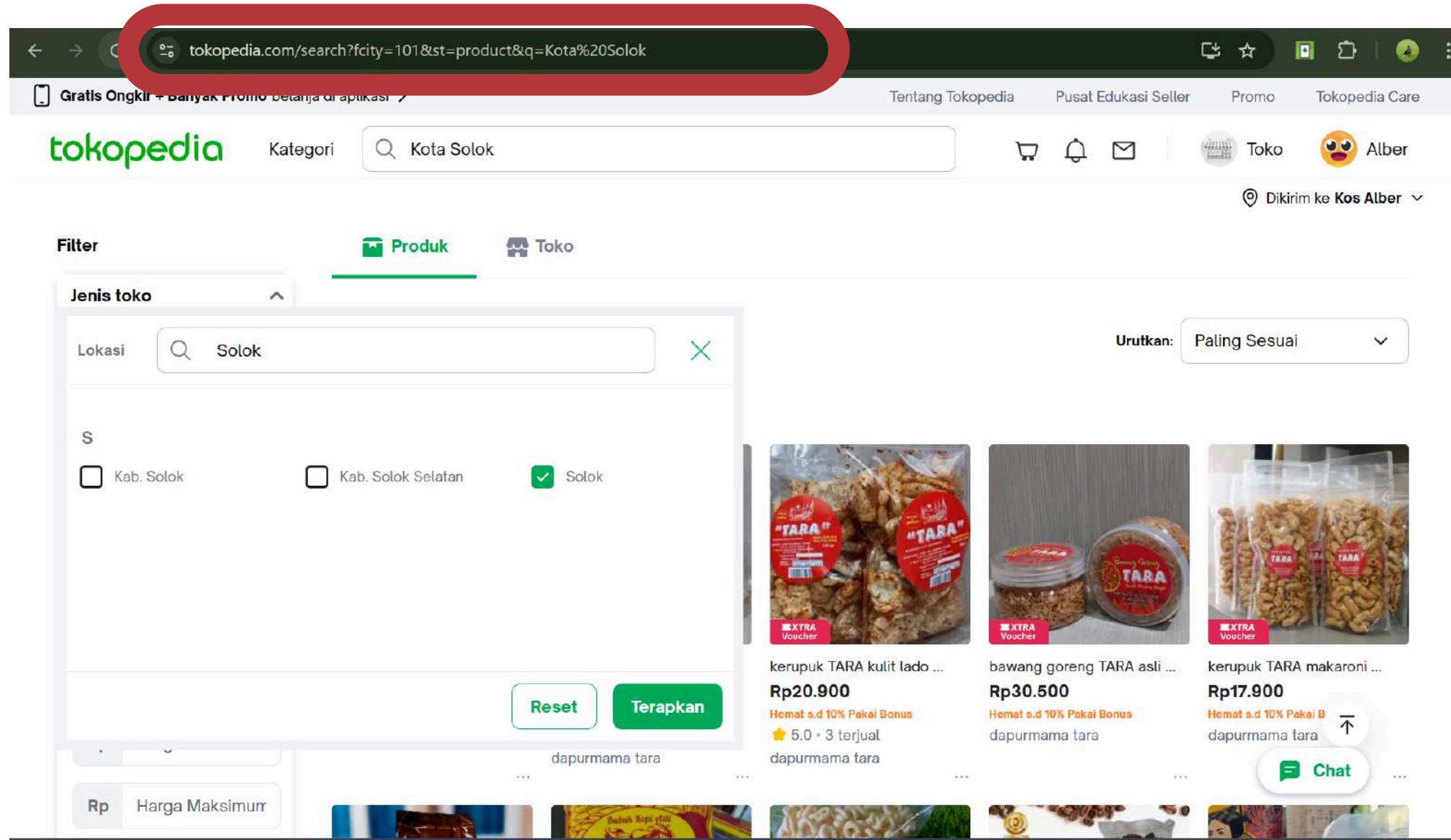
Tokopedia



Tokopedia

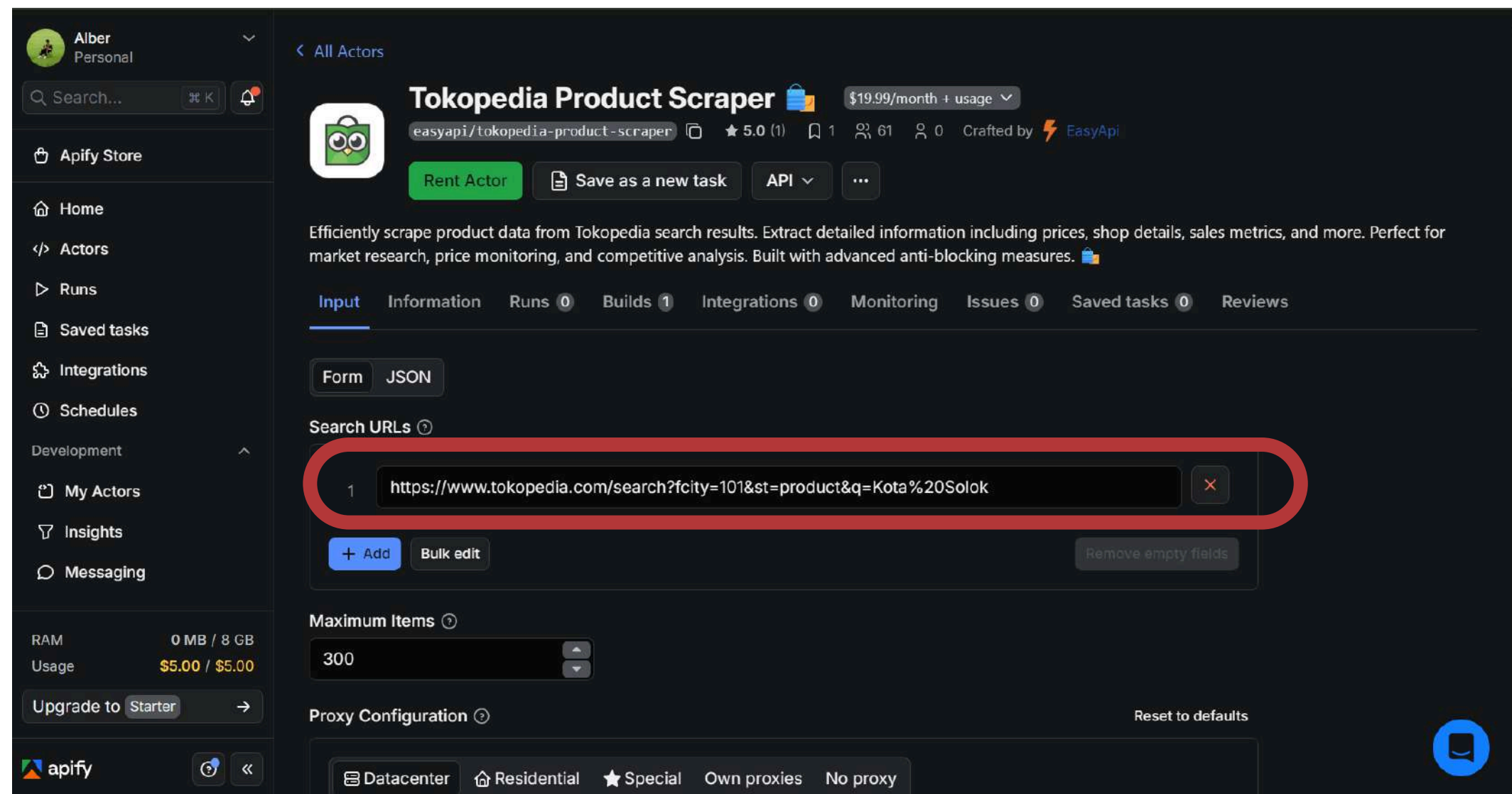
1. Buka terlebih dahulu situs tokopedia.com, pastikan sudah filter untuk Lokasi Solok, lalu copy url berikut

<https://www.tokopedia.com/search?fcity=101&st=product&q=Kota%20Solok>



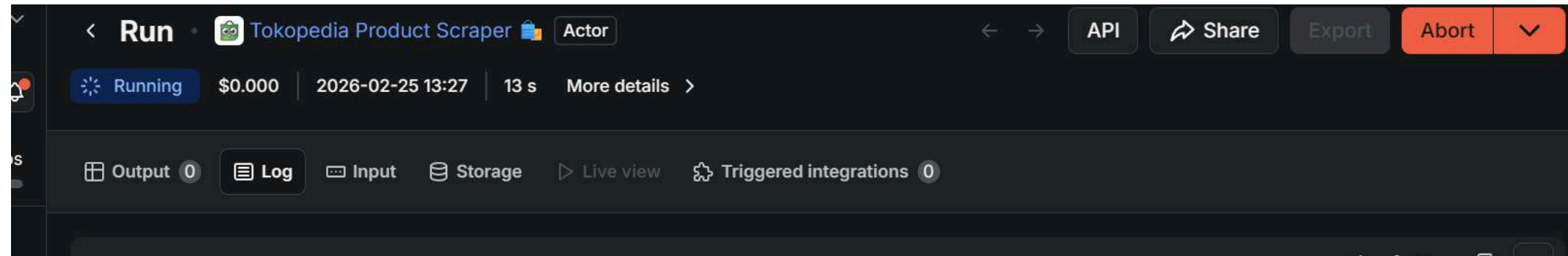
Tokopedia

2. Lalu buka console.apify.com , klik apify store , search Tokopedia Product Scraper seperti gambar ini
3. url (link) dicopy sebelumnya, masukkan ke bagian search urls ini, maximum items bisa disesuaikan saja, lalu klik start (dan tunggu proses scraping)

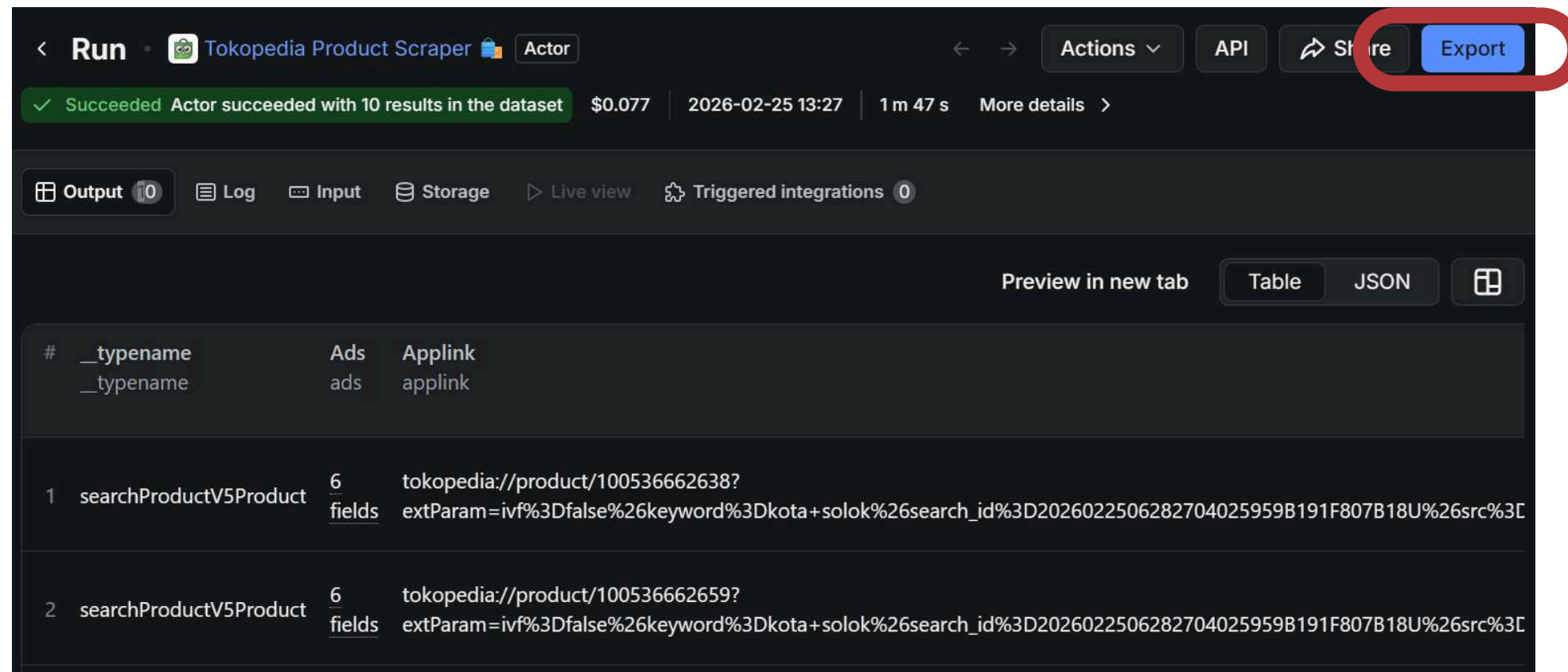


The screenshot displays the Apify console interface for the 'Tokopedia Product Scraper' actor. The actor is listed as 'easyapi/tokopedia-product-scraper' with a rating of 5.0 (1) and 61 followers. It is priced at \$19.99/month + usage. The interface shows the actor's configuration page, including a search bar for 'Search URLs' where the URL 'https://www.tokopedia.com/search?fcity=101&st=product&q=Kota%20Solok' is entered. Below the search bar, there are buttons for '+ Add', 'Bulk edit', and 'Remove empty fields'. The 'Maximum Items' is set to 300. The 'Proxy Configuration' section is visible at the bottom, with options for 'Datacenter', 'Residential', 'Special', 'Own proxies', and 'No proxy'. The left sidebar shows the user's profile 'Alber Personal' and navigation options like 'Apify Store', 'Home', 'Actors', 'Runs', 'Saved tasks', 'Integrations', 'Schedules', 'Development', 'My Actors', 'Insights', and 'Messaging'. The bottom status bar shows RAM usage (0 MB / 8 GB) and usage (\$5.00 / \$5.00).

Tokopedia



4. Klik export, lalu download data hasil scraping, dengan file didownload menyesuaikan kebutuhan (pada step ini, didownload file berformat excel)



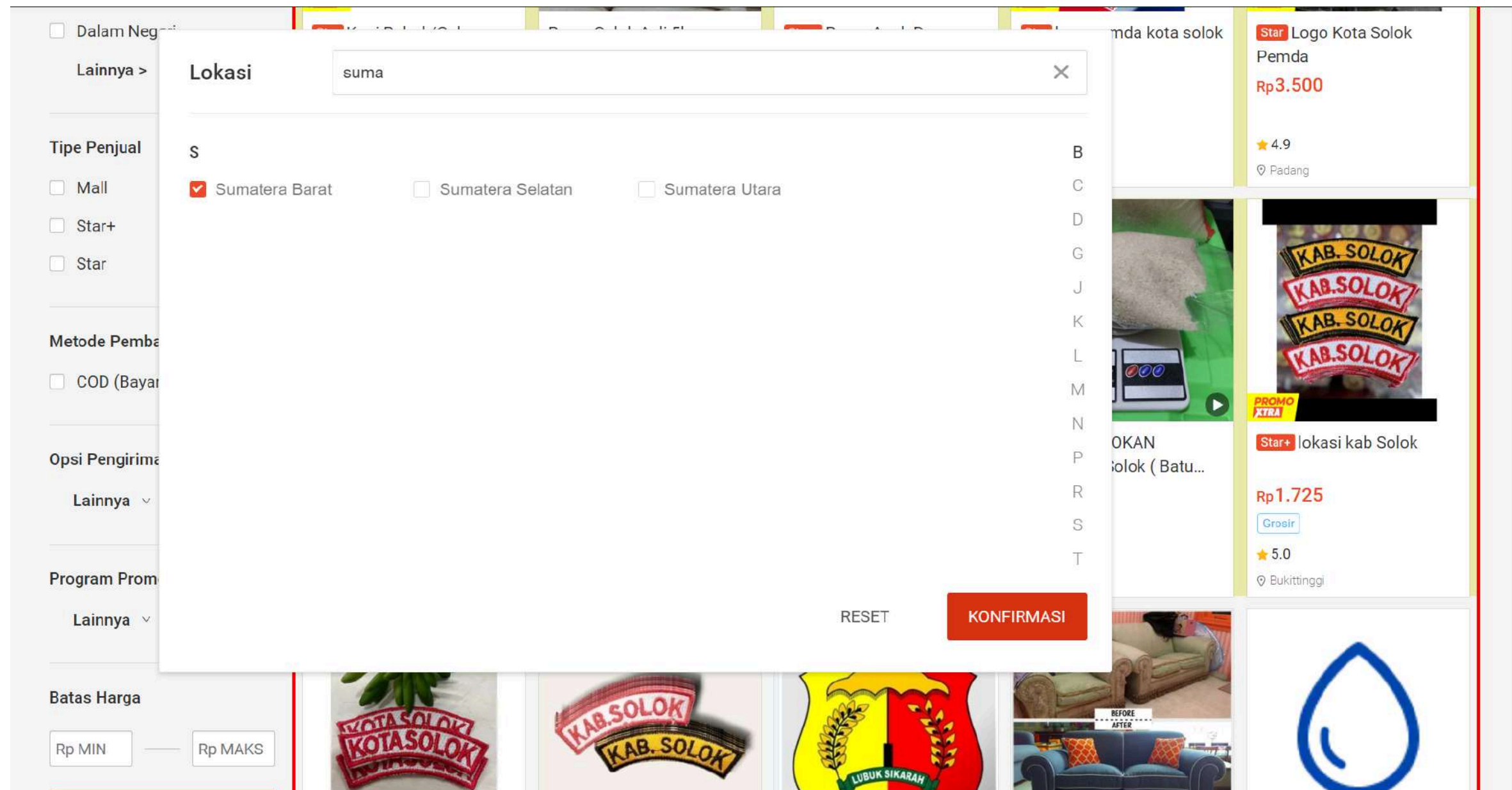


Shopee



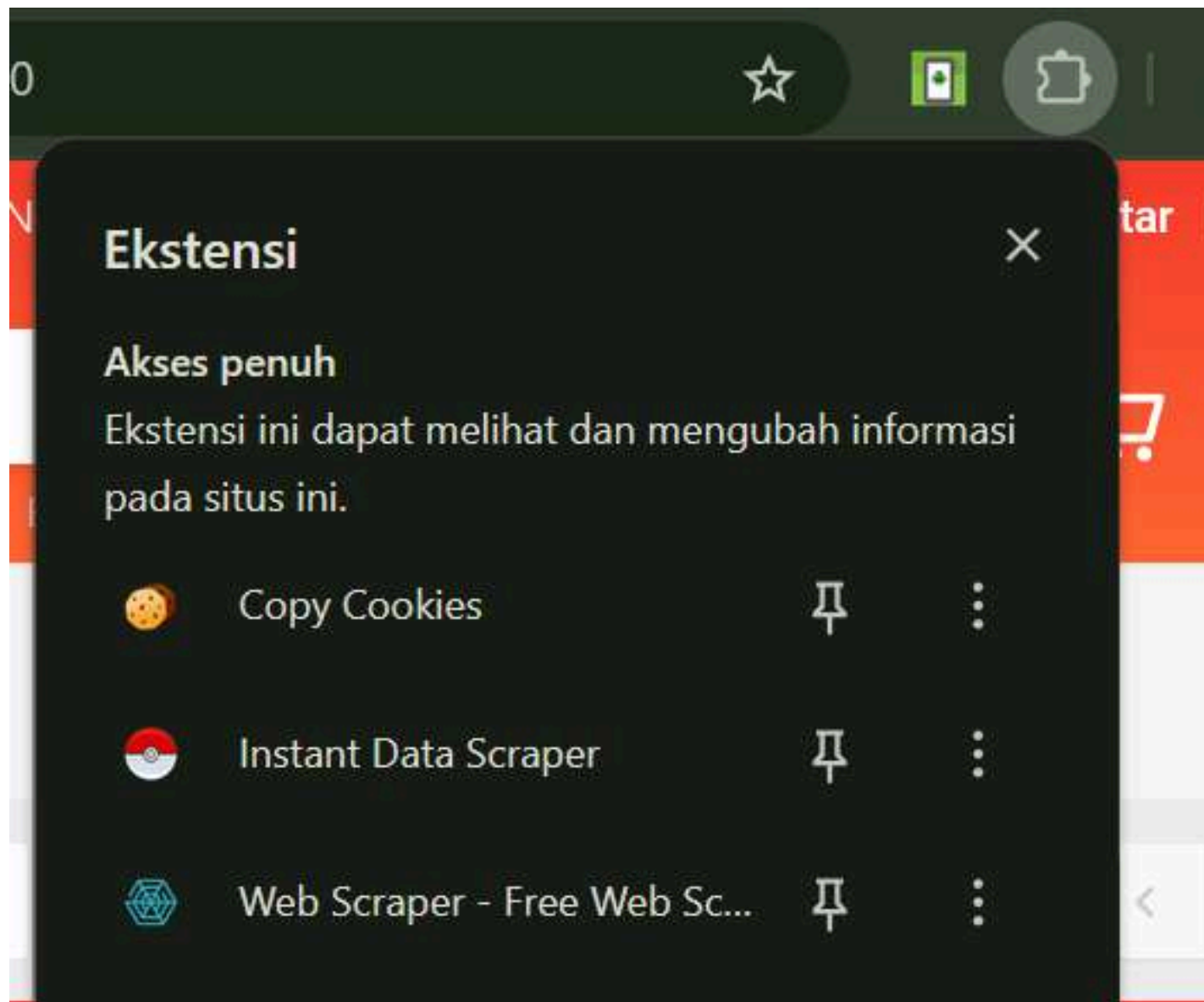
Shopee

1. Buka terlebih dahulu website shopee.co.id, pastikan sudah filter untuk wilayah Sumatera Barat



Shopee

2. Klik di kanan atas, lalu pilih instant data scraper, yang telah diinstall sebelumnya pada scraping instagram



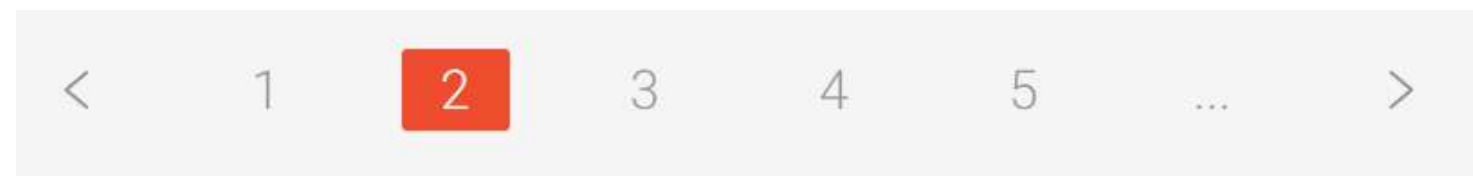
Shopee

3.Selanjutnya klik start crawling untuk memulai crawling (pada tahapan ini, kita bertujuan untuk memperoleh link setiap produk yang nantinya digunakan pada apify), setelah selesai dicrawling ,di website shopee selanjutnya klik halaman 2

The screenshot displays the Instant Data Scraper interface. The 'Start crawling' button is highlighted. The scraper has collected 51 rows from 2 pages in 6 seconds. A list of product links is shown in the 'contents href' section:

contents href
https://shopee.co.id/Kopi-Asnel-Cap-Gelas-Tangkai-ASNEL-Kopi-...
https://shopee.co.id/lokasi-kota-Solok-pramuka-...
https://shopee.co.id/Kerupuk-Jengkol-Karupuk-...
https://shopee.co.id/lokasi-kota-solok-i.4786150-...
https://shopee.co.id/Kopi-Bubuk-Gelas-Tangkai-...

The background shows a Shopee product listing for 'Kopi Bubuk/Gelas Tangkai ASNEL/Kopi...' with a price of Rp 150.000 and a 4.9 rating.



Shopee

4.Selanjutnya diulangi klik start crawling untuk memulai crawling (tahap ini untuk memperoleh link pada halaman 2), setelah selesai ulangi langkah tersebut pada semua halaman (pada tahapan ini terdapat 16 halaman)

The screenshot displays the Instant Data Scraper interface. The main window has a title bar "Instant Data Scraper" and a "Help/Feedback" link. It features a "Start crawling" button, input fields for "Min delay" (1 sec) and "Max delay" (20 sec), and buttons for "CSV", "XLSX", "COPY ALL", and "Reset columns". A status section indicates "Pages scraped: 2", "Rows collected: 51", "Rows from last page: 40", and "Working time: 6s". A green banner prompts users to rate the extension in the Chrome Store. A yellow banner states "Table not changed. If the last page was not reached, try to increase crawl delay." A blue banner says "Crawling stopped. Please download data or continue crawling." Below these are several links from a "contents href" list, including URLs for coffee products on Shopee. The background shows a Shopee page with a search bar, a "Bahasa Indonesia" dropdown, and a product listing for "RANTAU COFFEE Single Origin Sulawesi" priced at Rp 1.500 with a 5.0 star rating and 10 reviews.

Shopee

5. Setelah semua halaman-nya dilakukan crawling, selanjutnya download ke format excel, karena data ini menarik semua produk dengan based pemilik usaha berada dikabupaten/kota di Sumatera Barat, sehingga terlebih dahulu filter dulu hanya Kota Solok saja, lalu link semua produk dicrawl dicopy terlebih dahulu dan akan digunakan pada apify nantinya (pastikan link yang mengarah ke produk ya..)

↓ CSV

↓ XLSX

📄 COPY ALL

Reset columns

url	img src	title	price	rating	sales	shipping	city
https://shopee.co.id/...	https://down-id.img...	Umpan Ikar	50.000	4.9	347 Terjual	5-7 Hari	Solok
https://shopee.co.id/...	https://down-id.img...	Umpan Pak	44.999	4.8	62 Terjual	3-5 Hari	Solok
https://shopee.co.id/...	https://down-id.img...	Umpan Pan	55.000	4.8	401 Terjual	Besok	Solok
https://shopee.co.id/...	https://down-id.img...	Umpan Pak	12.000	4.8	438 Terjual	3-5 Hari	Solok
https://shopee.co.id/...	https://down-id.img...	Umpan Pak	55.000	4.8	301 Terjual	Besok	Solok
https://shopee.co.id/...	https://down-id.img...	Umpan Pak	50.000	5.0	3 Terjual	5-8 Hari	Solok
https://shopee.co.id/...	https://down-id.img...	Umpan solok	35.000	4.5	40 Terjual	5-7 Hari	Solok
https://shopee.co.id/...	https://down-id.img...	Umpan pak	40.000	4.7	196 Terjual	Besok	Solok
https://shopee.co.id/...	https://down-id.img...	Umpan Pak	55.000	4.9	68 Terjual	Besok	Solok
https://shopee.co.id/...	https://down-id.img...	Umpan solok	30.000	4.8	33 Terjual	5-7 Hari	Solok
https://shopee.co.id/...	https://down-id.img...	beras solok asli fresh de	98.000	4.9	35 Terjual	3-5 Hari	Kab. Solok
https://shopee.co.id/...	https://down-id.img...	Umpan Pak	55.000	4.8	33 Terjual	3-5 Hari	Solok
https://shopee.co.id/...	https://down-id.img...	Umpan Pak	55.000	4.7	13 Terjual	3-5 Hari	Solok
https://shopee.co.id/...	https://down-id.img...	Umpan pak	40.000	4.9	199 Terjual	3-5 Hari	Solok
https://shopee.co.id/...	https://down-id.img...	umpan pak	40.000			5-8 Hari	Solok
https://shopee.co.id/...	https://down-id.img...	Umpan Pak	45.000	5.0	3 Terjual	3-6 Hari	Solok
https://shopee.co.id/...	https://down-id.img...	UMPAN PAI	65.000			3-5 Hari	Solok
https://shopee.co.id/...	https://down-id.img...	UMPAN SOI	6.000	4.8	186 Terjual	Besok	Solok
https://shopee.co.id/...	https://down-id.img...	Umpan Pan	65.000	5.0	1 Terjual	3-5 Hari	Solok
https://shopee.co.id/...	https://down-id.img...	10kg Beras	208.000	5.0	85 Terjual	Besok	Padang
https://shopee.co.id/...	https://down-id.img...	Beras Solok	215.200	5.0	76 Terjual	Besok	Solok
https://shopee.co.id/...	https://down-id.img...	Kopi Espresso Robusta	43.000	5.0	3 Terjual	4-8 Hari	Bukittinggi
https://shopee.co.id/...	https://down-id.img...	UMPAN PAI	55.000			3-5 Hari	Solok
https://shopee.co.id/...	https://down-id.img...	Umpan Pak	45.000	4.0	4 Terjual	3-6 Hari	Solok
https://shopee.co.id/...	https://down-id.img...	UMPAN PAI	29.998		1 Terjual	3-5 Hari	Solok

Sort A to Z
Sort Z to A
Sort by colour
Filter by colour
Filter by condition
Filter by values
Select all 17 - Clear
Displaying 17
Search
Padang Panjang
Pariaman
Payakumbuh
 Solok
Cancel OK

https://shopee.co.id/find_similar_products?cat
https://shopee.co.id/find_similar_products?cat

Shopee

6.Selanjutnya kita mencari informasi nama toko di Shopee dari url dicopy sebelumnya, url tersebut bisa digunakan pada actor berikut pada console.apify.com, lalu link dicopy sebelumnya paste di bulk edit, lalu save&start, setelah selesai klik export lalu download sesuai format yang ingin didownload

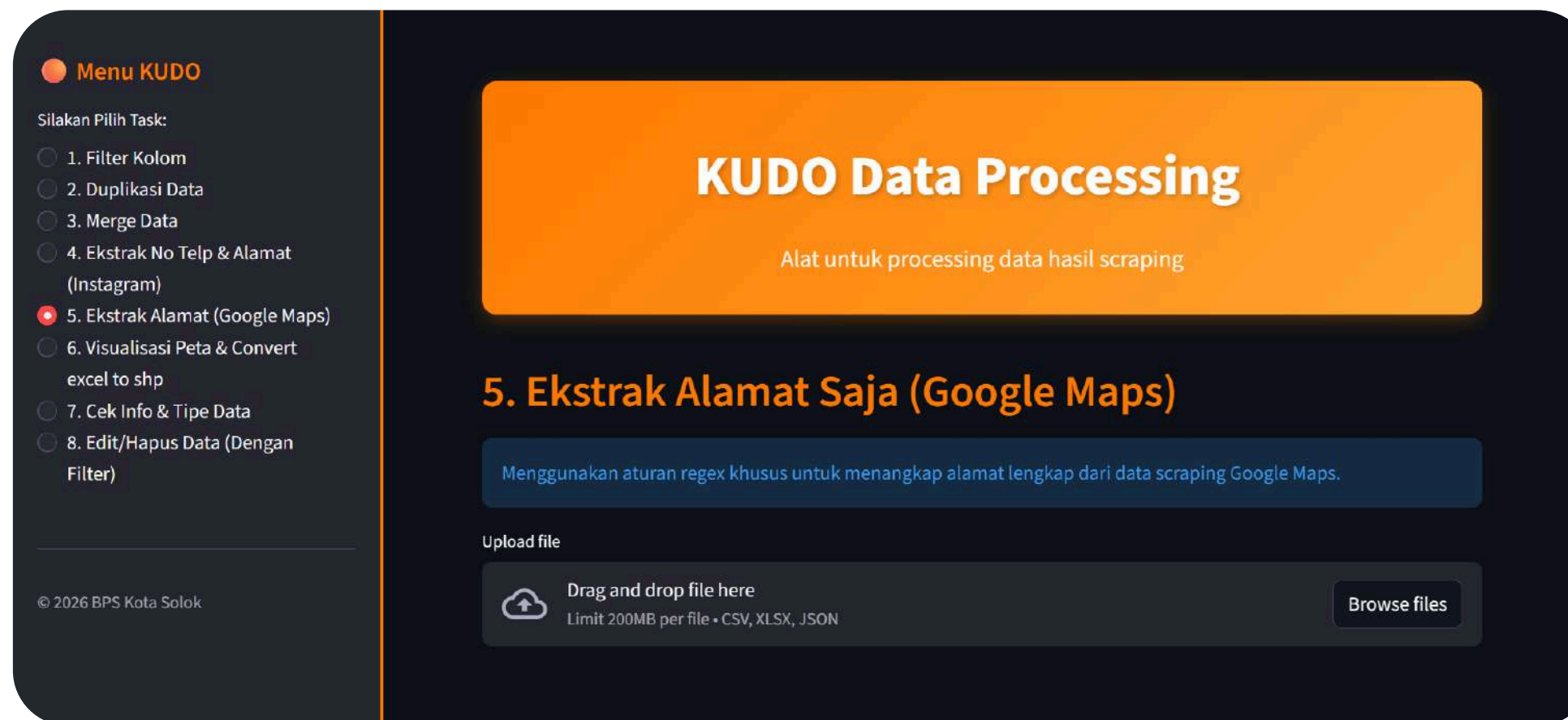
The screenshot displays the Apify console interface for a task named "shopee Product Scraper". The task is priced at \$10.00 and has produced 1,000 results. The interface includes a "Save & Start" button and a navigation bar with tabs for "Input", "Information", "Runs", "Builds", "Integrations", "Monitoring", "Issues", "Saved tasks", and "Reviews". An "Export dataset" modal is open, showing options for "Format" (JSON, CSV, XML, Excel, HTML Table, RSS, JSONL), "Select fields" (All fields included), and "Omit fields" (Select...). The "Advanced option" button is highlighted with a red circle.

Tahapan Data Processing



Alat processing otomatis Data hasil scraping pada web KUDO

<https://processing-kudo.streamlit.app>



Fitur

1. Filter kolom
2. Duplikasi Data
3. Merge Data
4. Ekstrak Nomor Telp & Alamat (Instagram)
5. Ekstrak Alamat (Google Maps)
6. Visualisasi Peta & convert excel to shp
7. Cek info & tipe data
8. Edit/Hapus data

Cukup dengan upload data hasil scraping pada tahapan sebelumnya dan lakukan processing dengan fitur yang digunakan

1.Filter kolom

Digunakan untuk hanya filter kolom tertentu saja (kolom yang memiliki fungsi paling berguna)

2.Duplikasi Data

Digunakan untuk menghapus data menunjukkan duplikat terutama hasil dari scraping pada tokopedia dan shopee (yang discraping berdasarkan produk, sehingga ada beberapa produk berbeda berada pada toko yang sama)

3.Merge Data

Digunakan untuk merge (menggabungkan) beberapa file data dengan format sama

4.Ekstrak Nomor Telpon & Alamat (Instagram)

Digunakan untuk ekstrak informasi nomor telepon dan alamat dari bio profil sosmed seperti instagram menjadi kolom tersendiri

4.Ekstrak Alamat (Google Maps)

Digunakan untuk ekstrak informasi alamat dari Google Maps

5.Visualisasi Peta & convert excel to shp

Digunakan untuk visualisasi dalam bentuk peta dari hasil scraping Google Maps dan convert file excel ke format SHP

6.Cek info & tipe data

Untuk Cek informasi tipe data pada file

7.Edit/Hapus data

Melakukan edit dan menghapus pada baris/kolom data tertentu, serta juga dapat melakukan pergantian nama kolom

Data Hasil Scraping & Processing



Jumlah Data diperoleh dari scraping telah dilakukan (data raw)



2.395

Unit usaha



180

Produk



251

profil



184

Produk



200

profil

TOTAL 3.210



Jumlah Data diperoleh dari scraping dan telah dilakukan processing di KUDO (data akhir)



2.248

Unit usaha



43

Unit usaha



197

Unit usaha



39

Unit usaha



19

Unit usaha

TOTAL

2.546

Unit Usaha



Perbandingan Jumlah Data diperoleh dengan Data SBR



Data SBR
(Matchapro)

25435



Data Scraping
Setelah Processing
di KUDO

2546

Unit
usaha



Gambaran Data Scraping Setelah Processing di KUDO

1	Platform	Nama Usaha	Kota	Alamat	Kode Pos	Latitude	Longitude	Kategori	url
2229	Google Maps	RIZQY JAYA MART	Kota Solok			-0,78313	100,6633	Convenience store	https://www.google.com/maps/search
2230	Google Maps	Gerai.Ami Solok	Kota Solok	Jl. Puti Bungsu No.99	27322	-0,78485	100,6558	Supermarket	https://www.google.com/maps/search
2231	Google Maps	Cahaya store SR12	Kota Solok	Jl. H. Jamal No.46	27322	-0,78364	100,656	Herb shop	https://www.google.com/maps/search
2232	Google Maps	Rumah IIT Solok	Kota Solok	6M66+MWG, Jl. Cindua Mato	27317	-0,78831	100,6623	Grocery store	https://www.google.com/maps/search
2233	Google Maps	Simpang Harmony Solok	Kota Solok	6M64+2QH, Jl. DR. Moh. Hatta	27317	-0,78995	100,657	Historical landmark	https://www.google.com/maps/search
2234	Google Maps	Toko Sinar Pauh	Kota Solok	6M54+VVG, Jalan Pasar Raya Solok	27317	-0,79031	100,6572	Watch store	https://www.google.com/maps/search
2235	Google Maps	SYIFA HALAL MART	Kota Solok	6M63+HXX	27317	-0,78852	100,655	Grocery store	https://www.google.com/maps/search
2236	Google Maps	Mr. Kribo	Kota Solok	6M63+HXX		-0,78852	100,655	Convenience store	https://www.google.com/maps/search
2237	Google Maps	Bundo Khansaa OS	Kota Solok	Jl. Sawah Sianik No.18	27322	-0,78367	100,6546	Store	https://www.google.com/maps/search
2238	Google Maps	SAPX Express Hub Solok	Kota Solok	6M6C+XHJ, Jl. Lintas Sumatera	27317	-0,78753	100,6714	Courier service	https://www.google.com/maps/search
2239	Google Maps	PT. Handal Logistik Nusantara	Kota Solok	Jl. Nasir Sutan Pamuncak No.49	27316	-0,79232	100,6667	Shipping company	https://www.google.com/maps/search
2240	Google Maps	Andalas Duta Bahana. CV	Kota Solok	JL. Doktor Mohammad Hatta No.20	27317	-0,78938	100,6588	Import export company	https://www.google.com/maps/search
2241	Google Maps	ANTERAJA. SOLOK HUB	Kota Solok	Kec, Dekat, Jl. Letnan Jamhur No.45	27317	-0,79329	100,6579	FMCG goods wholesaler	https://www.google.com/maps/search
2242	Google Maps	Ra	Kota Solok	Jl. Marahadin Simpang STM Negeri No.710	27321	-0,77664	100,6507	Convenience store	https://www.google.com/maps/search
2243	Google Maps	Obras Bunda	Kota Solok	Jl. Kartini No.30	27317	-0,78914	100,6566	Convenience store	https://www.google.com/maps/search
2244	Google Maps	HASRAF CELLULAR	Kota Solok			-0,79455	100,6585		https://www.google.com/maps/search
2245	Google Maps	NOBI CELLULAR	Kota Solok		27313	-0,79343	100,6538	Mercantile development	https://www.google.com/maps/search
2246	Google Maps	DEKACOM	Kota Solok	Jl. Prof. Dr. Moh. Yamin Sh No.93	27317	-0,78806	100,6642	Computer repair service	https://www.google.com/maps/search
2247	Google Maps	TERMICOM (Terminal Computer)	Kota Solok	Sebelah BPJS Tenaga Kerja, Depan STAI Lama Jl. Syech Kukut	27317	-0,7876	100,6577	Computer store	https://www.google.com/maps/search
2248	Google Maps	Satriacom (Print, Scan, Edit Skripsi)	Kota Solok	Jl. Sutan Syahril No.3d	27317	-0,78912	100,6557	Internet cafe	https://www.google.com/maps/search
2249	Google Maps	Danish Com	Kota Solok	Jl. Syech Kukut No.97	27317	-0,78657	100,6574	Computer store	https://www.google.com/maps/search
2250	Tokopedia	dapurmama tara	Kota Solok					Makanan & Minuman	https://www.tokopedia.com/dapurmar
2251	Tokopedia	Rempah Khas Minang	Kota Solok					Makanan & Minuman	https://www.tokopedia.com/rempah-k
2252	Tokopedia	Avril Fc Toko Barotan	Kota Solok					Buku	https://www.tokopedia.com/avril-fc-to
2253	Tokopedia	Nan lamak	Kota Solok					Makanan & Minuman	https://www.tokopedia.com/nan-lamal
2254	Tokopedia	Mahendri eka putra	Kota Solok					Makanan & Minuman	https://www.tokopedia.com/mahendri
2255	Tokopedia	Randang niyas	Kota Solok					Makanan & Minuman	https://www.tokopedia.com/randang-r
2256	Tokopedia	putra bumbu minang	Kota Solok					Makanan & Minuman	https://www.tokopedia.com/putra-bun
2257	Tokopedia	Beras Solok Dua Saudara	Kota Solok					Makanan & Minuman	https://www.tokopedia.com/beras-solk
2258	Tokopedia	Queenshoppingsnack	Kota Solok					Makanan & Minuman	https://www.tokopedia.com/queensho
2259	Tokopedia	mamdiri all shoop	Kota Solok					Makanan & Minuman	https://www.tokopedia.com/mamdiri-e
2260	Tokopedia	Bumbu Makanan Minang	Kota Solok					Makanan & Minuman	https://www.tokopedia.com/bumbu-m



Lampiran



Data



KUDO



Processing KUDO



Terima Kasih



*BADAN PUSAT STATISTIK
KOTA SOLOK*



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EKONOMI
2026**