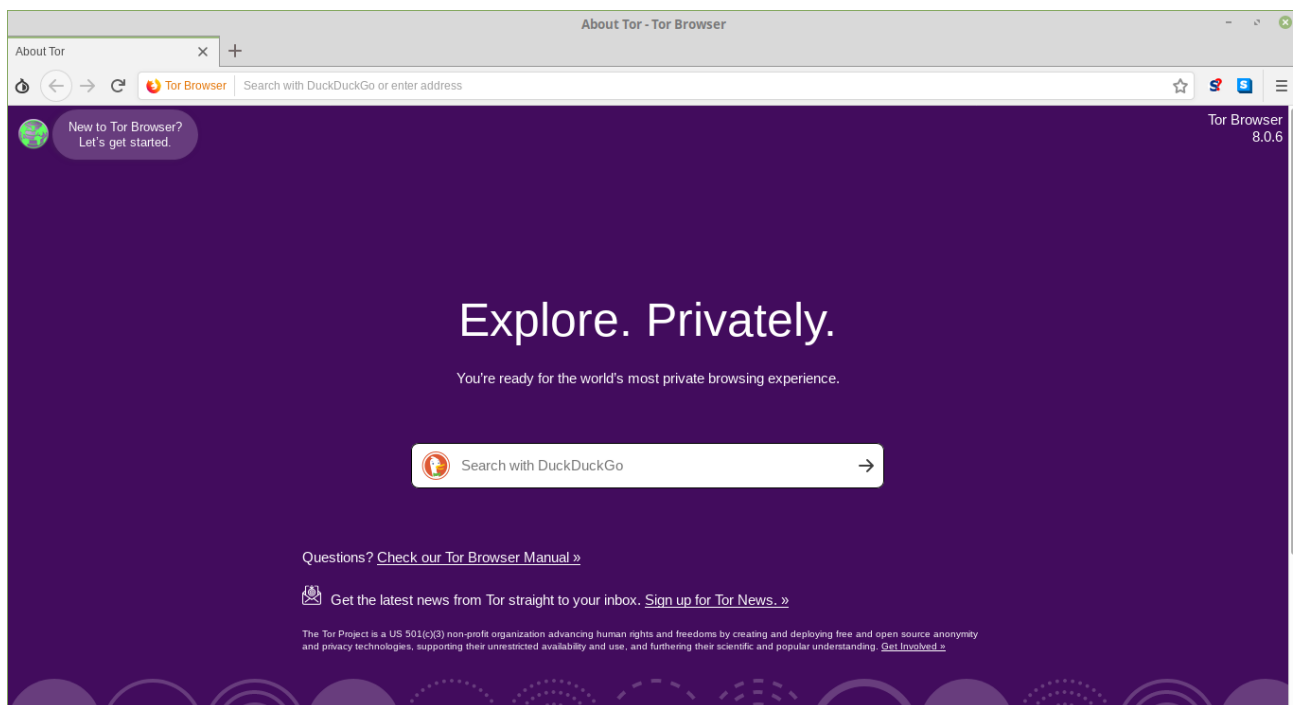


# SCANNING WEB USING TOR BROWSER AND WIRESHARK

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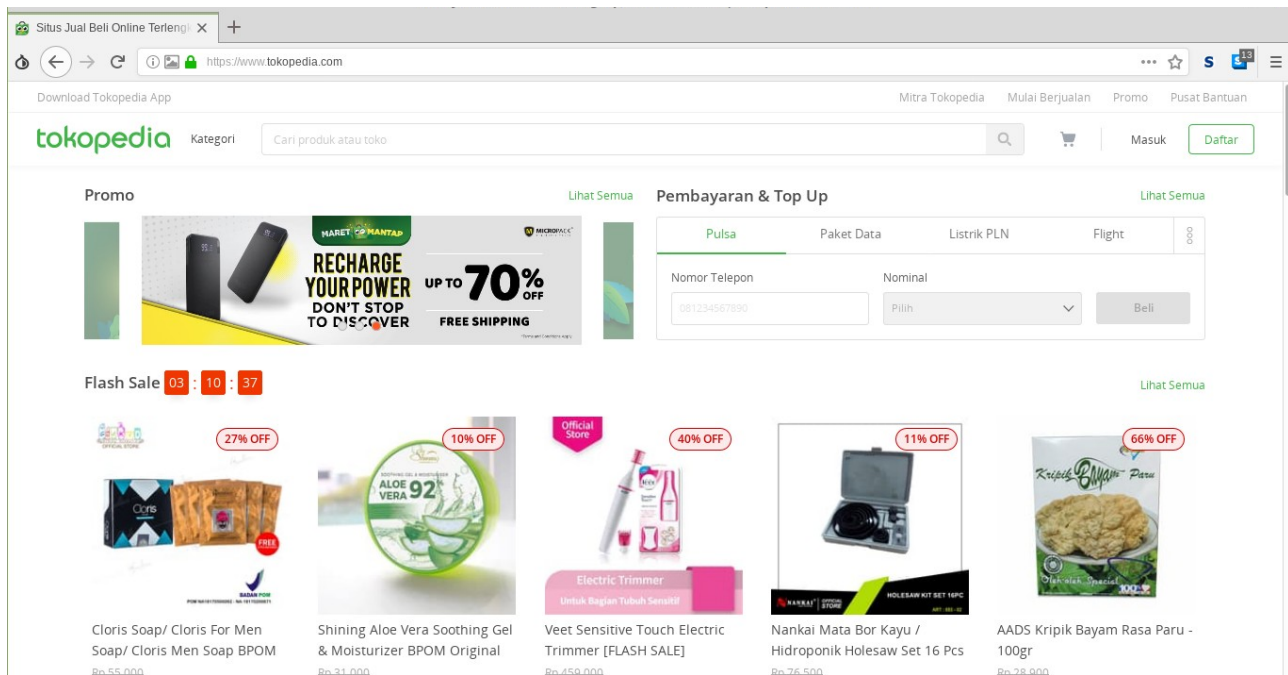
## What is Tor Browser ?

The Tor software protects you by bouncing your communications around a distributed network of relays run by volunteers all around the world: it prevents somebody watching your Internet connection from learning what sites you visit, it prevents the sites you visit from learning your physical location, and it lets you access sites which are blocked.



Display of the Tor Browser

## 1. Using Tor Browser for acces *Tokopedia.com*

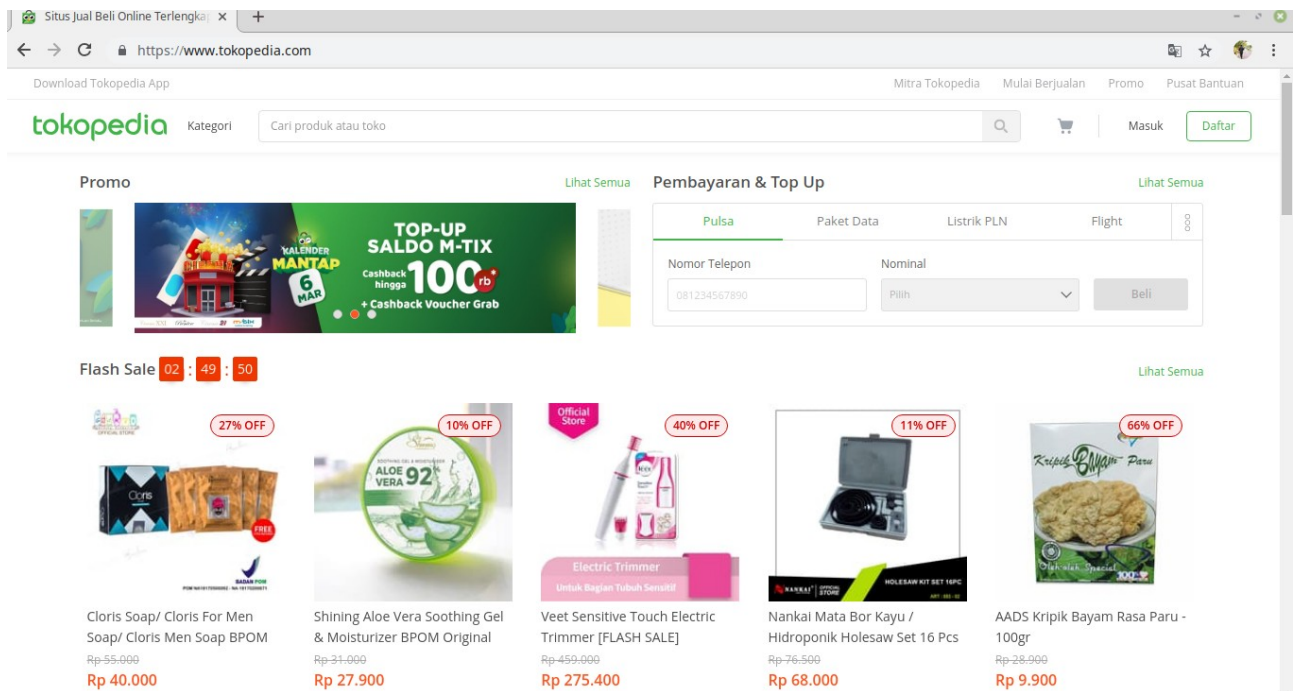


## 2. Tapping data using Wireshark

2	0.182818536	5.9.121.207	10.100.203.81	TCP	66 443 → 50246 [ACK] Seq=
9	2.107740721	10.100.203.81	5.9.121.207	TLSv1.2	609 Application Data
10	2.290977755	5.9.121.207	10.100.203.81	TCP	66 443 → 50246 [ACK] Seq=
12	2.736985915	5.9.121.207	10.100.203.81	TCP	1514 443 → 50246 [ACK] Seq=
13	2.737027574	10.100.203.81	5.9.121.207	TCP	66 50246 → 443 [ACK] Seq=

The above results are the results of accessing Tokopedia.com using the Tor Browser. Can be seen ip source and destination ip when accessing Tokopedia.com 5.9.121.207 which is ip Tokopedia.com and ip 10.100.203.81 is ip from my computer.

# 1. Using Google Chrome for Acces Tokopedia.com



# 2. Tapping data using Wireshark

No.	Time	Source	Destination	Protocol	Length	Info
3	0.749254151	10.100.203.81	74.125.130.94	TCP	66	38132 -
5	0.762918641	74.125.130.94	10.100.203.81	TCP	66	[TCP AC
1558	15.010752142	74.125.130.94	10.100.203.81	TLSv1.2	129	[TCP AC
1559	15.010795151	10.100.203.81	74.125.130.94	TCP	66	[TCP Pr
1560	15.010804864	74.125.130.94	10.100.203.81	TCP	66	[TCP AC
1561	15.011049774	10.100.203.81	74.125.130.94	TCP	66	38132 -
1562	15.024431657	74.125.130.94	10.100.203.81	TCP	66	443 → 3

The above results are the results of accessing Tokopedia.com using the Google Chrome . Can be seen ip source and destination ip when accessing Tokopedia.com 74.125.130.94 which is ip Tokopedia.com and ip 10.100.203.81 is ip from my computer.

## Conclusion

The conclusion I can take when using the Tor Browser and Google Chrome is the difference between ip\_source from the web I access (Tokopedia.com) where when using the Ip\_Source Tor Browser used by Tokopedia.com is 5.9.121.207 and on Google Chrome 74.125.130.94. Where the function of the Tor Browser functions to disguise the IP address that we use so we can still be able to access the web that we want to open.