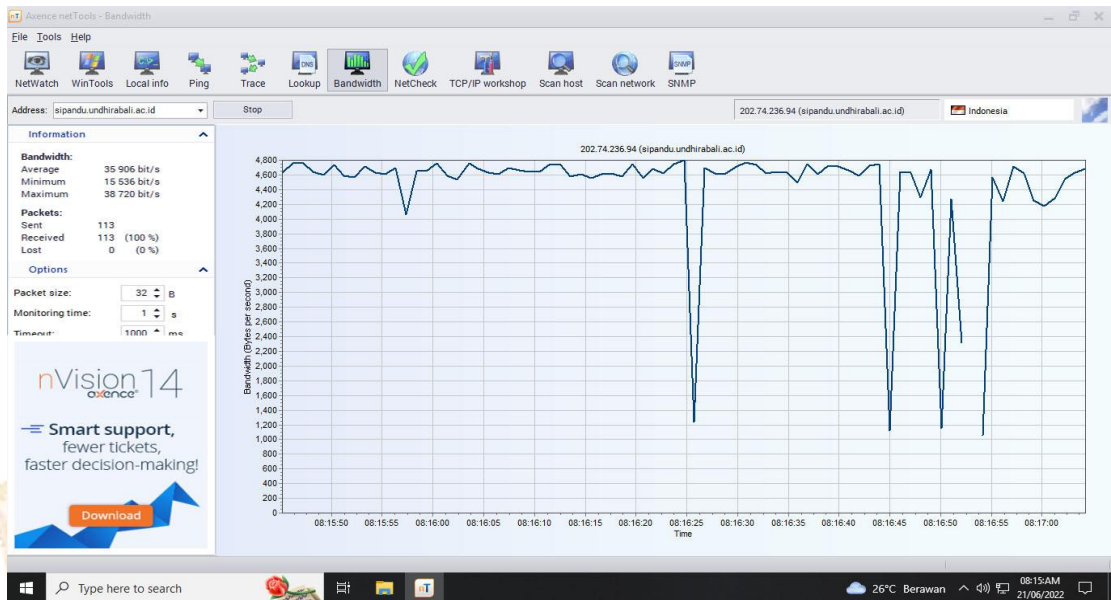


## LAMPIRAN

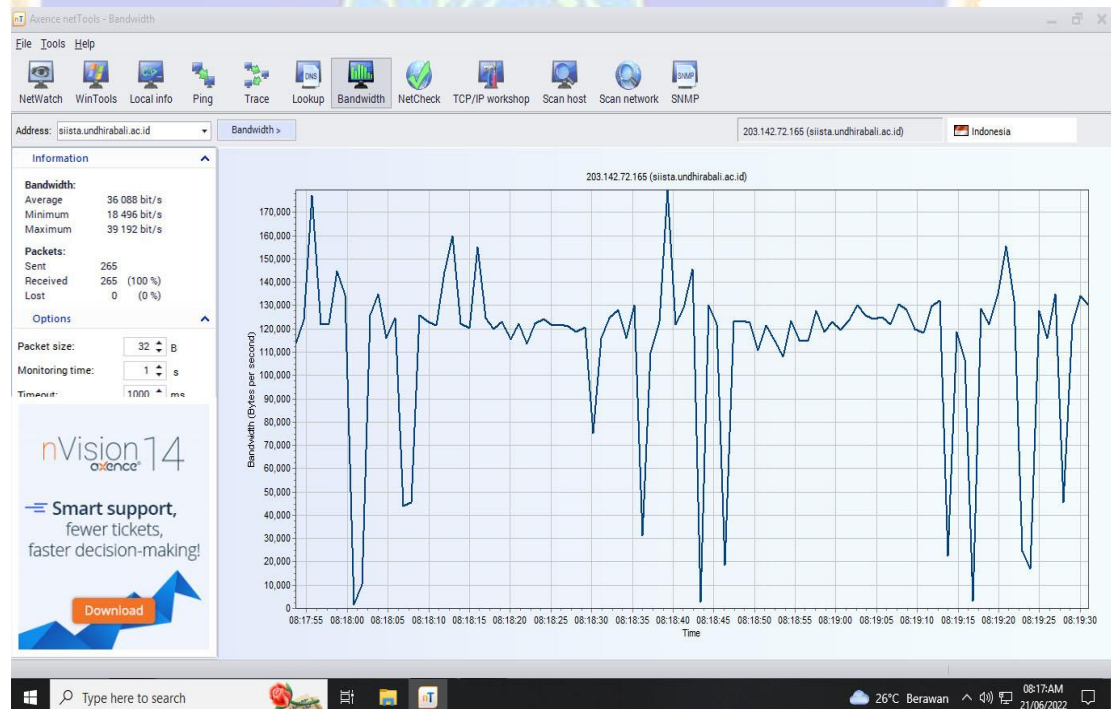
### Lampiran 1 Pengukuran *Throughput* saat ini

#### 1. Pengukuran *Throughput*

- Pengukuran pada tanggal 21 Juni 2022 pukul 08.00-12.00 wita

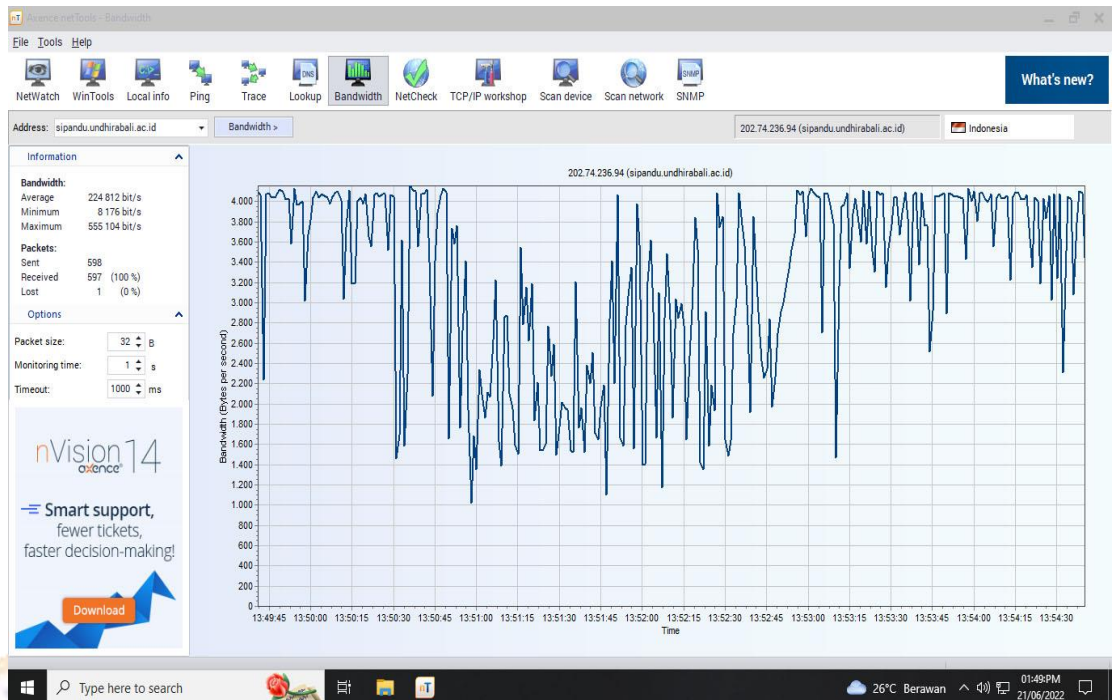


#### Pengukuran *Throughput* (www.sipandu.undhirabali.ac.id)

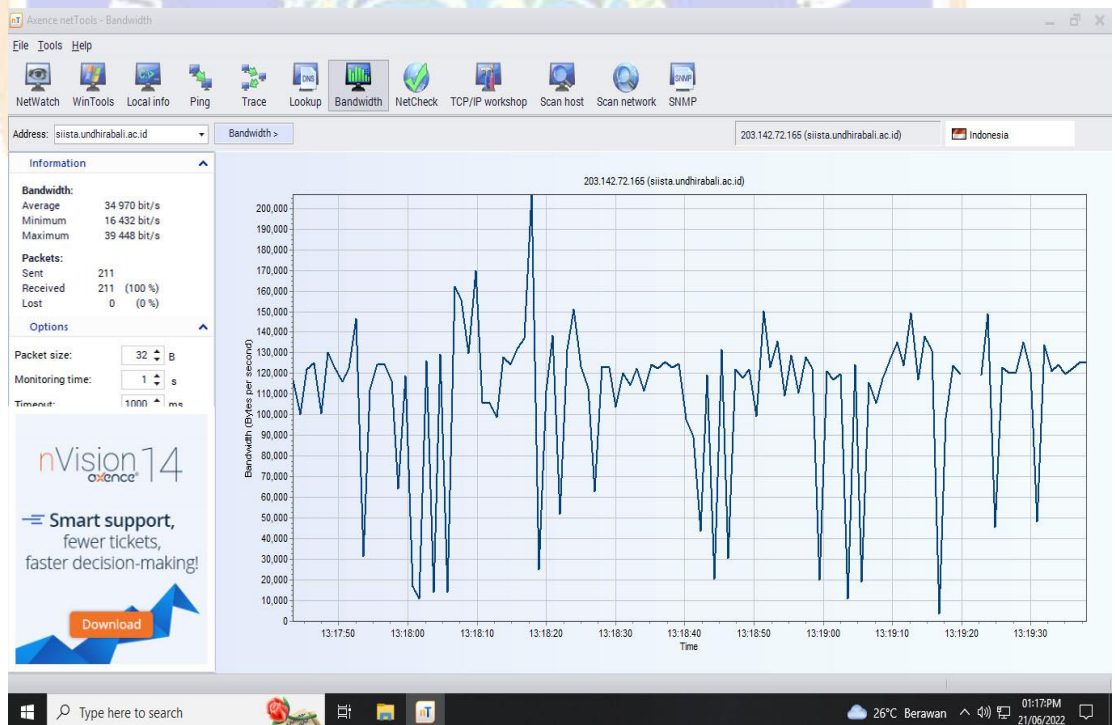


#### Pengukuran *Throughput* (www.siista.undhirabali.ac.id)

- Pengukuran pada tanggal 21 Juni 2022 pukul 13.00-16.00 wita

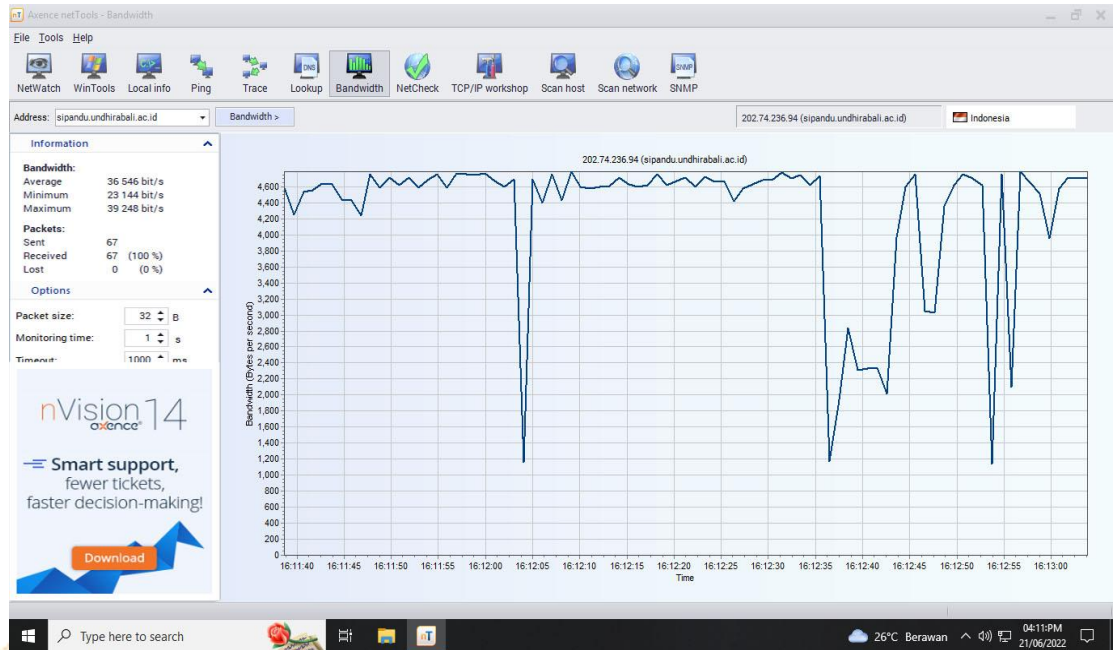


Pengukuran *Throughput* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))

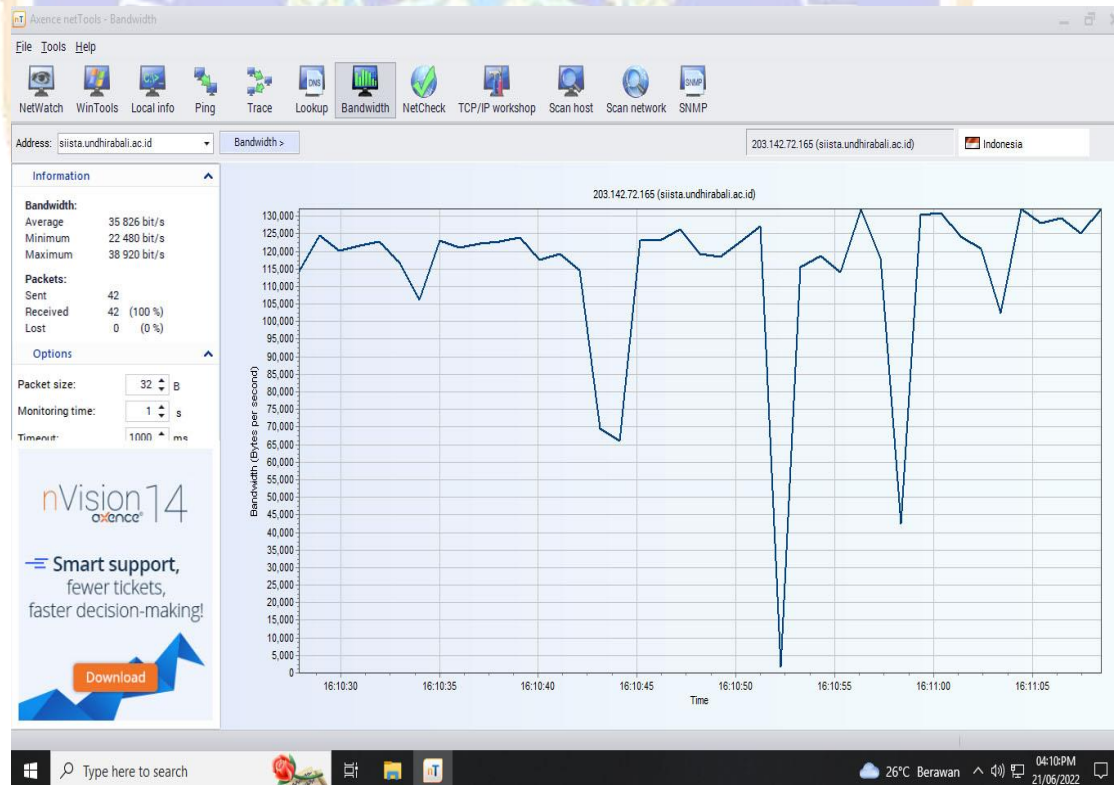


Pengukuran *Throughput* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))

- Pengukuran pada tanggal 21 Juni 2022 pukul 16.00-20.00 wita



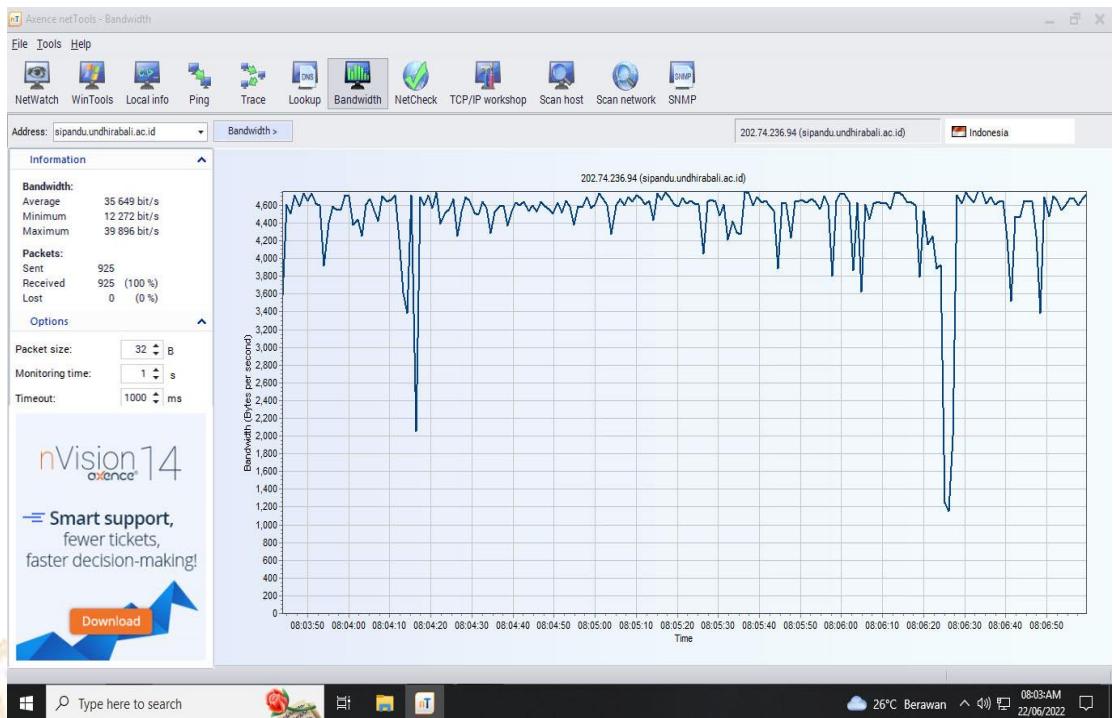
Pengukuran *Throughput* (www.sipandu.undhirabali.ac.id)



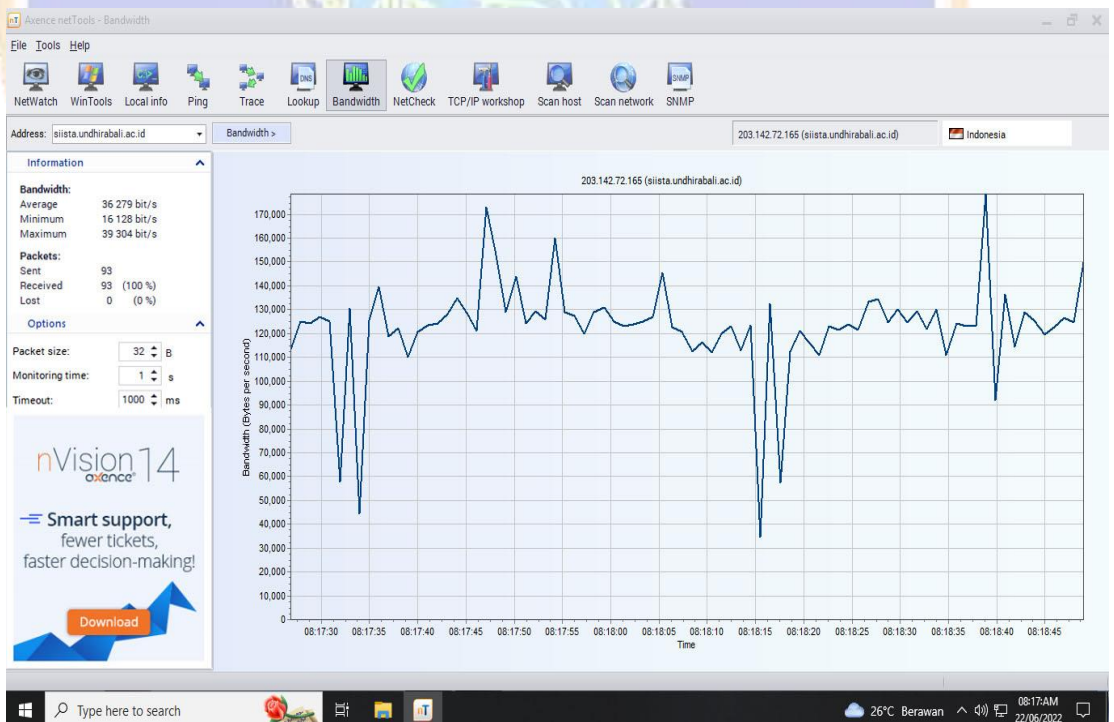
Pengukuran *Throughput* (www.siista.undhirabali.ac.id)



- Pengukuran pada tanggal 22 Juni 2022 pukul 08.00-12.00 wita



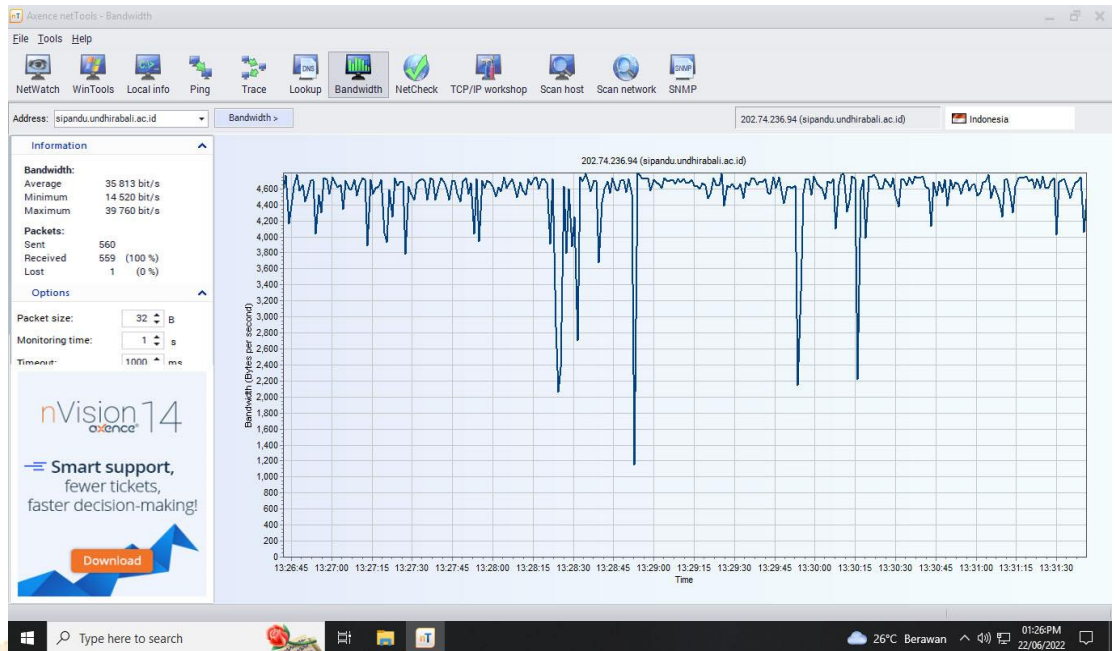
Pengukuran *Throughput* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))



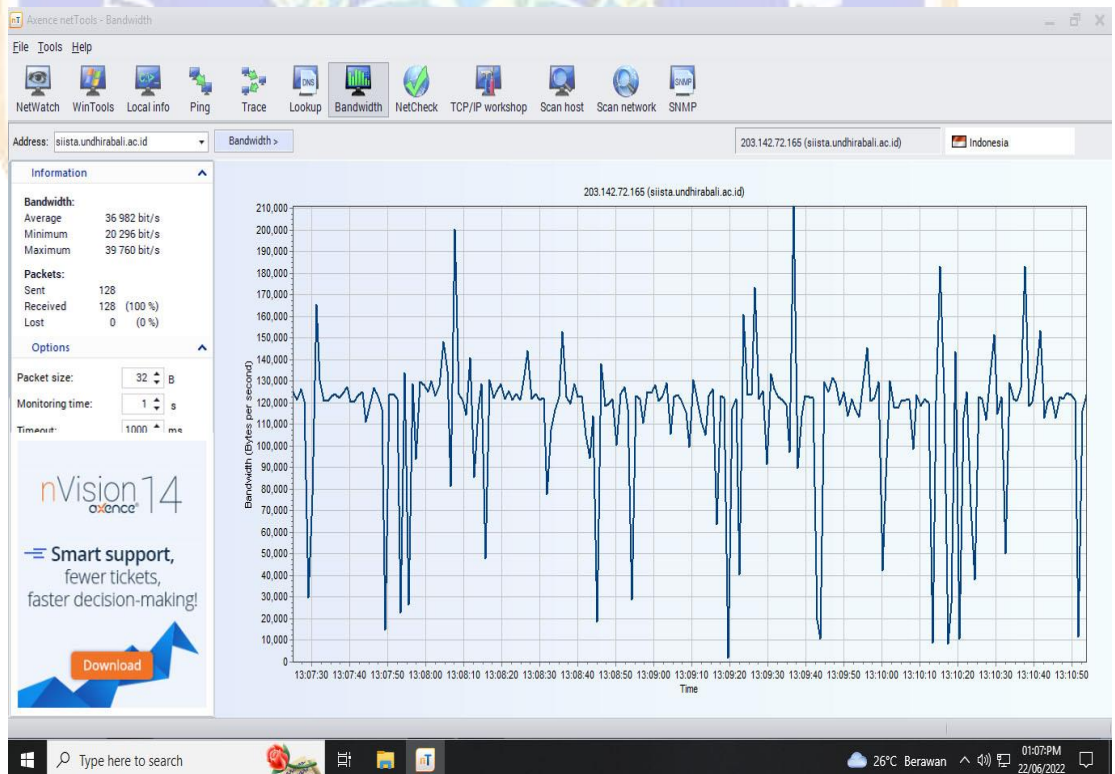
Pengukuran *Throughput* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))



- Pengukuran pada tanggal 22 Juni 2022 pukul 13.00-16.00 wita

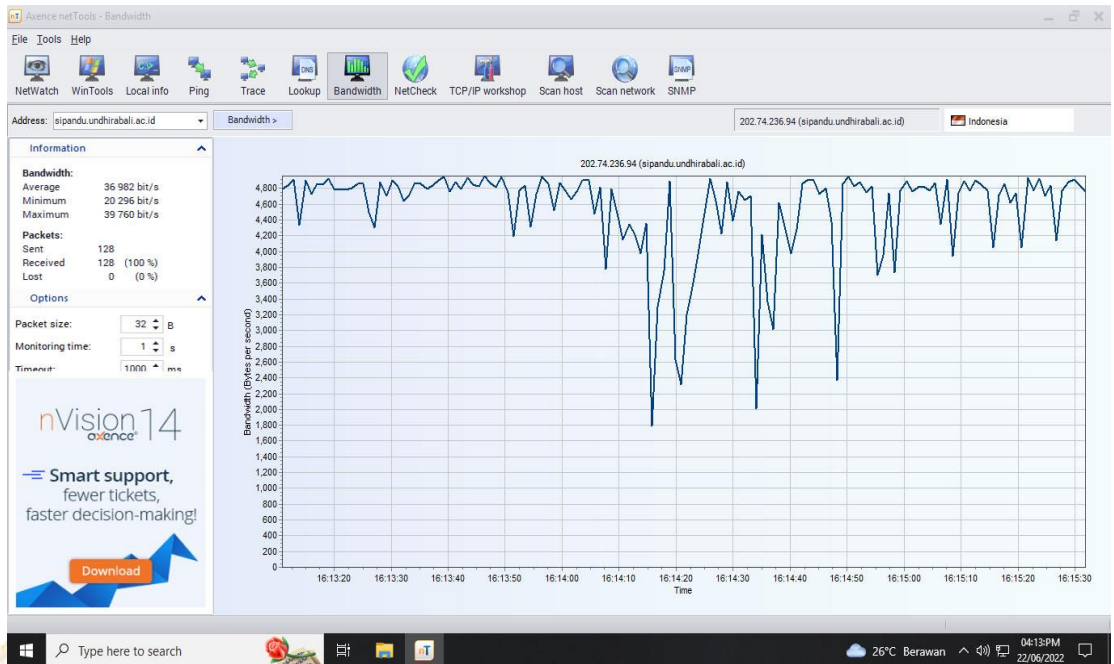


Pengukuran *Throughput* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))

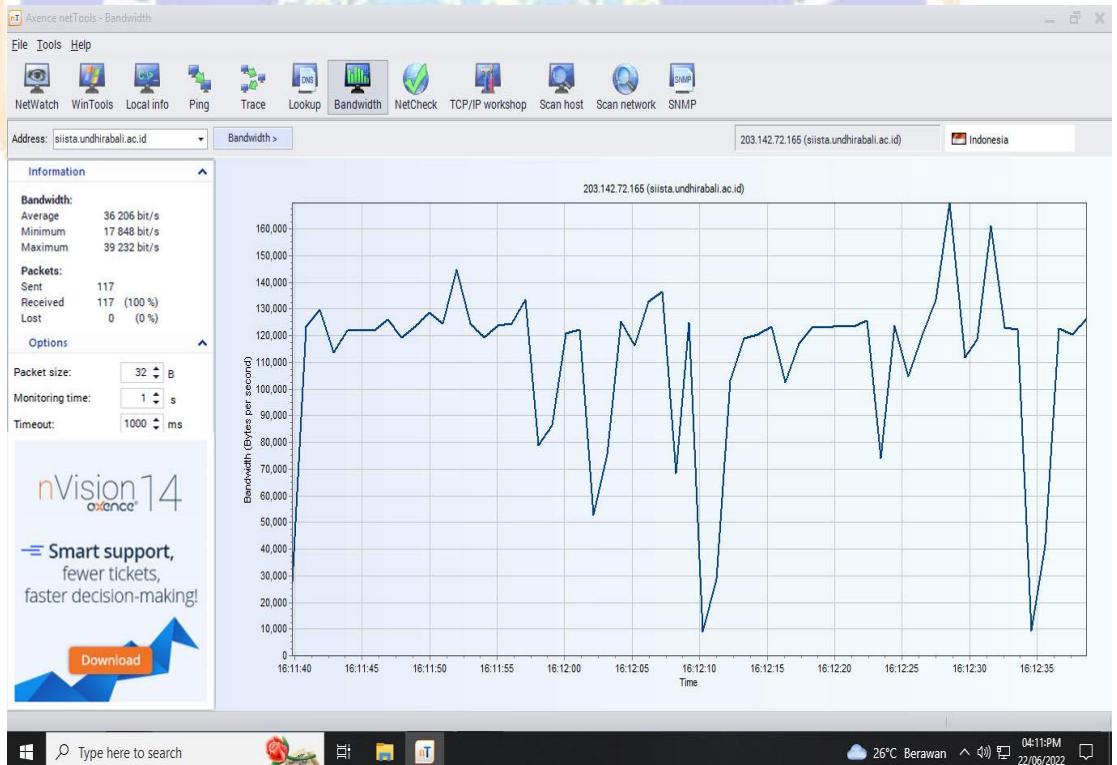


Pengukuran *Throughput* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))

- Pengukuran pada tanggal 22 Juni 2022 pukul 16.00-20.00 wita

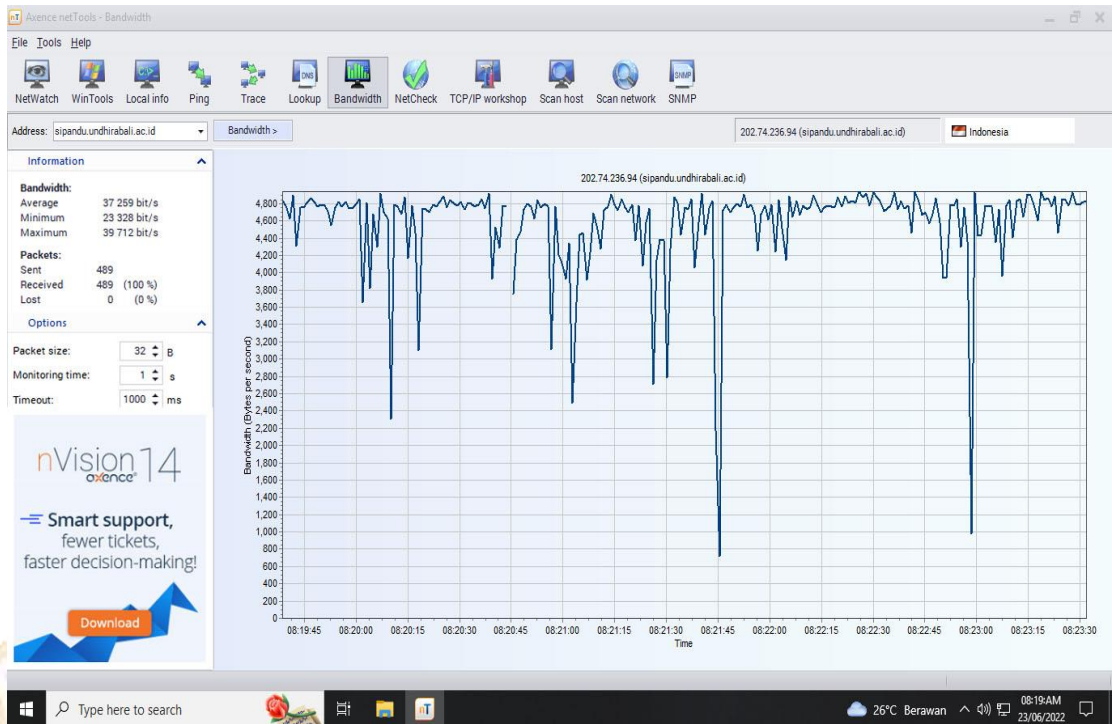


Pengukuran *Throughput* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))

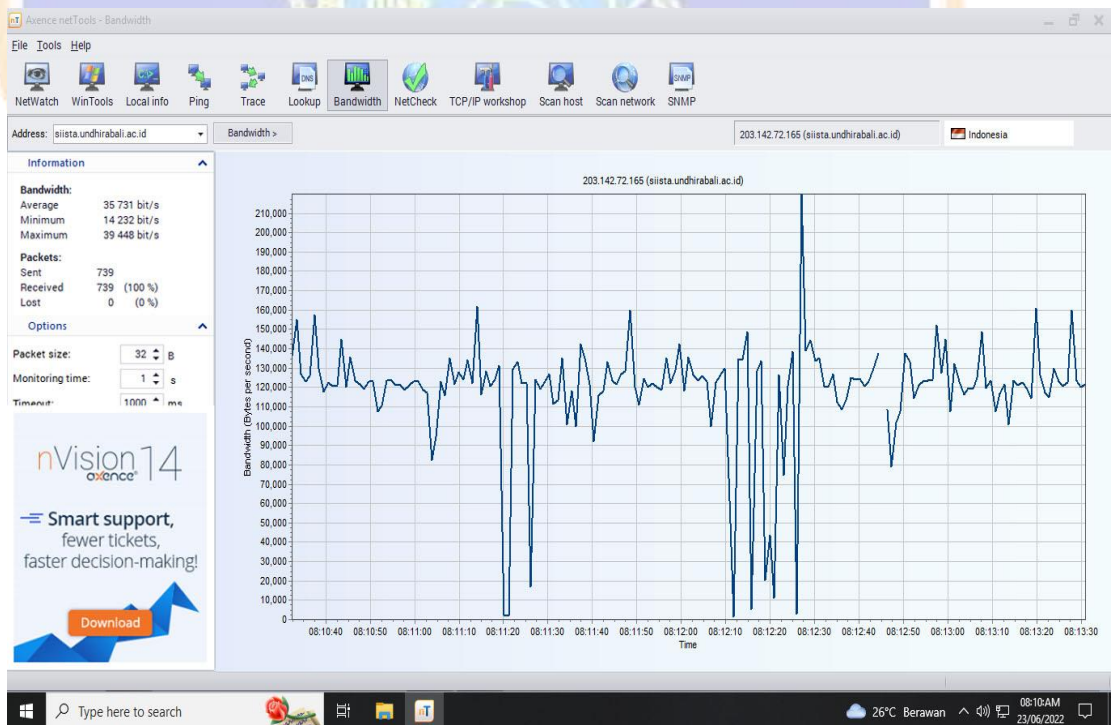


Pengukuran *Throughput* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))

- Pengukuran pada tanggal 23 Juni 2022 pukul 08.00-12.00 wita



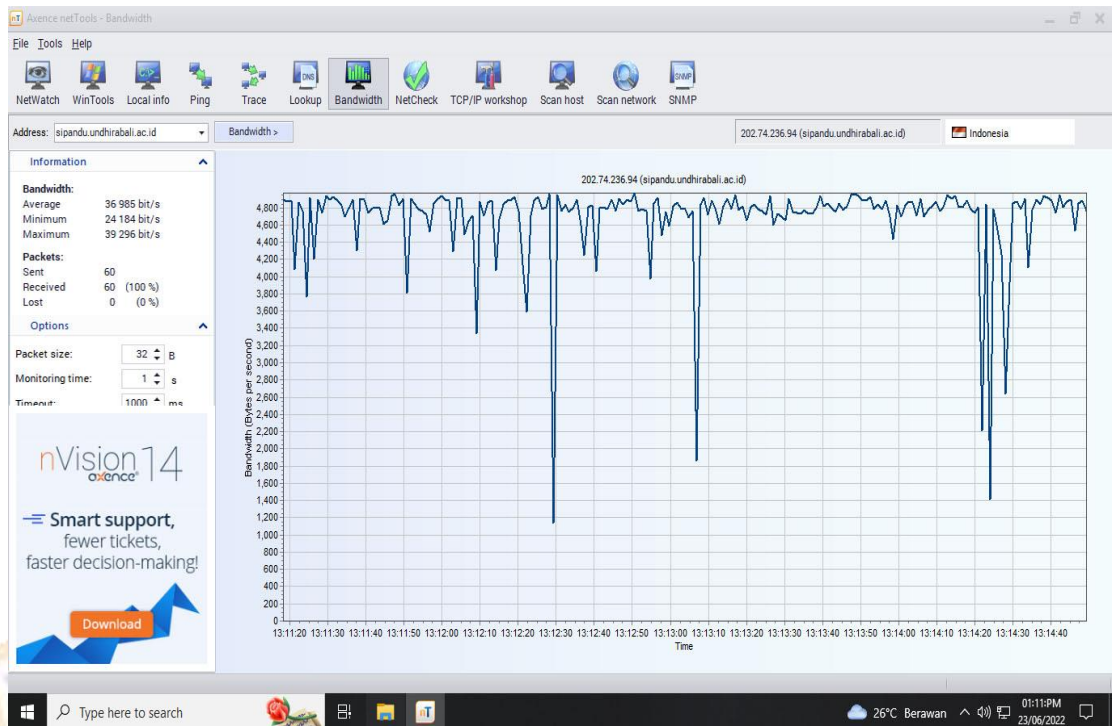
Pengukuran *Throughput* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))



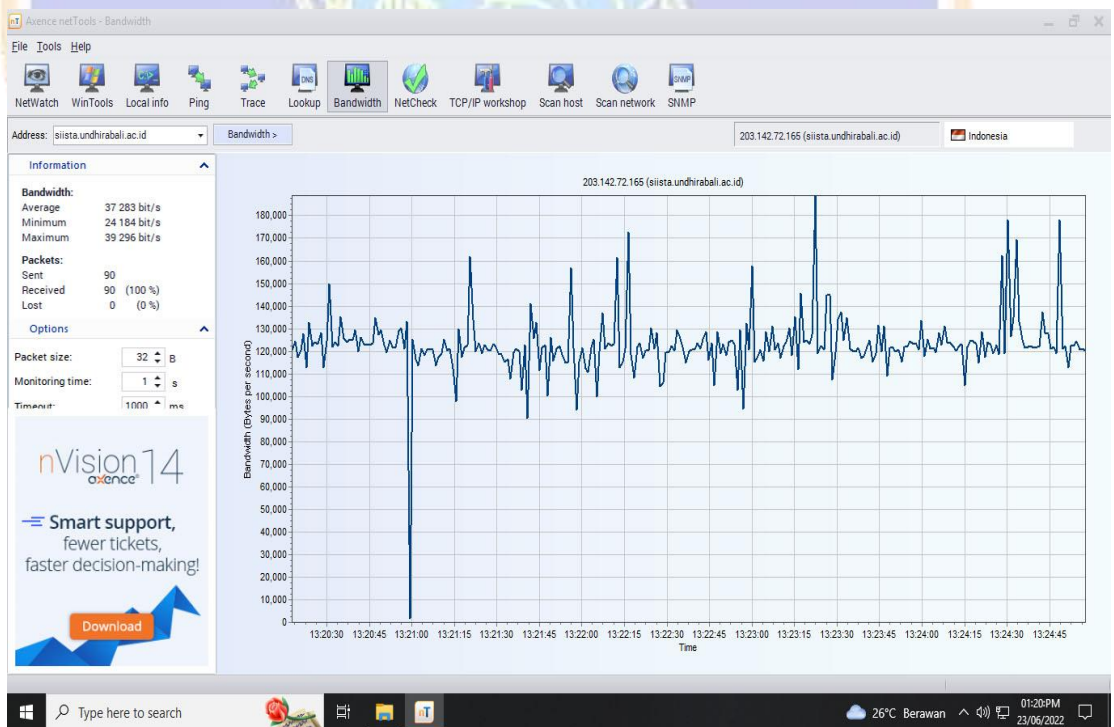
Pengukuran *Throughput* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))



- Pengukuran pada tanggal 23 Juni 2022 pukul 13.00-16.00 wita

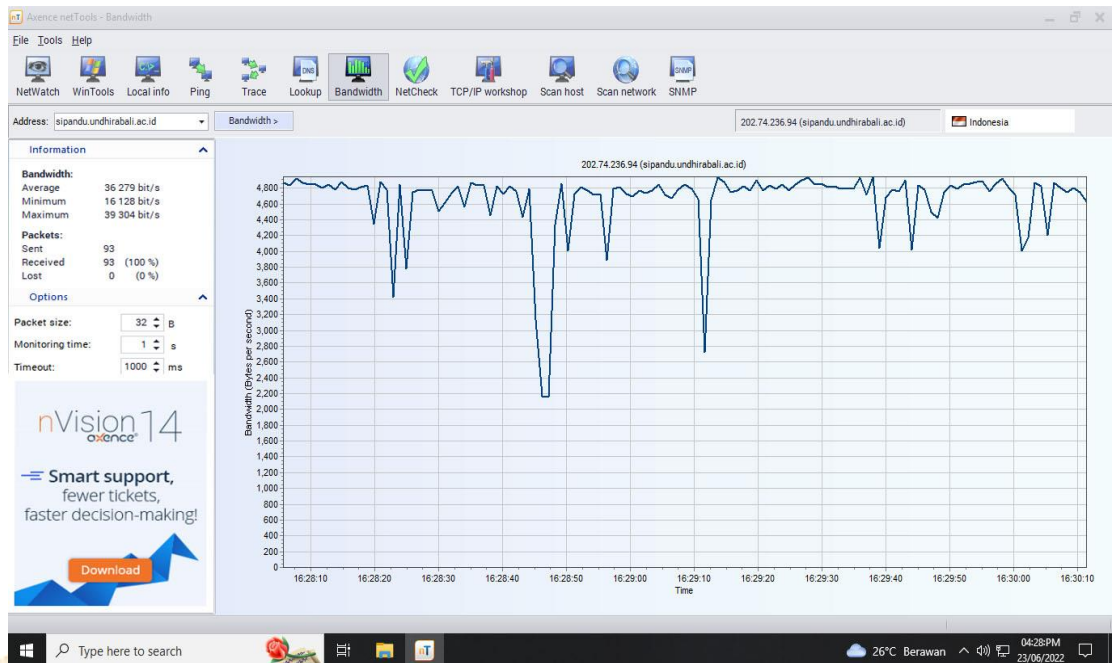


Pengukuran *Throughput* (www.sipandu.undhirabali.ac.id)

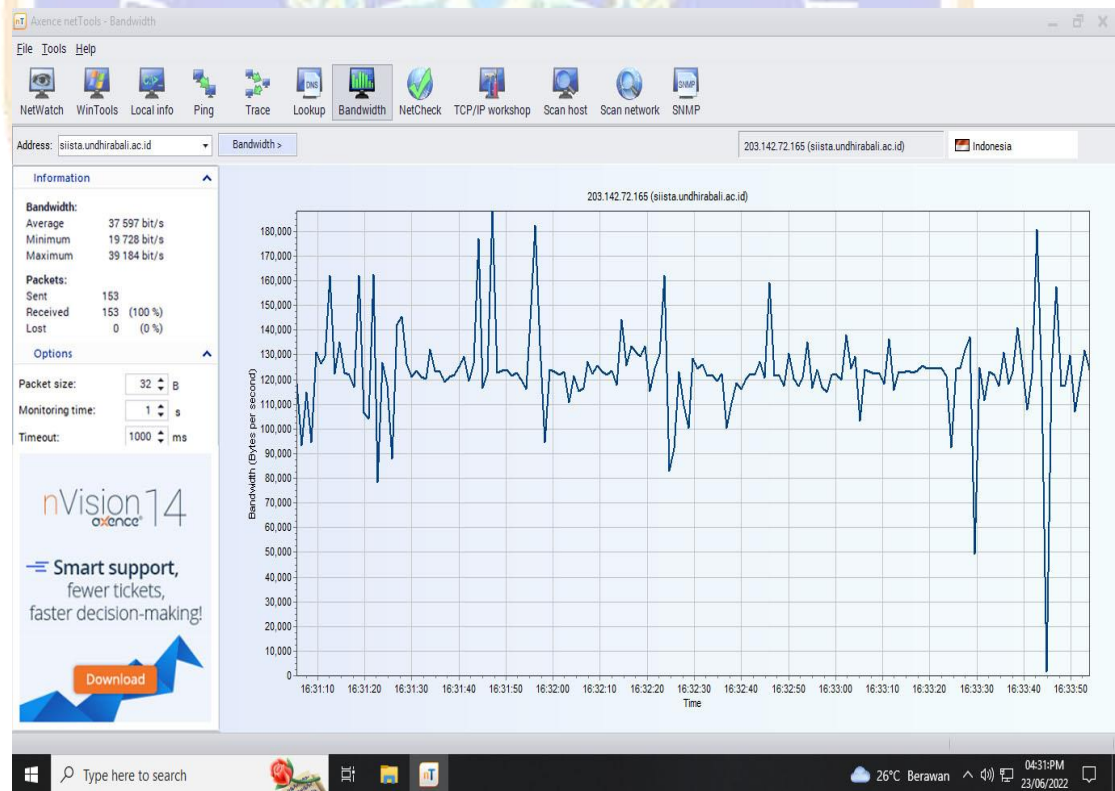


Pengukuran *Throughput* (www.siista.undhirabali.ac.id)

- Pengukuran pada tanggal 23 Juni 2022 pukul 16.00-20.00 wita



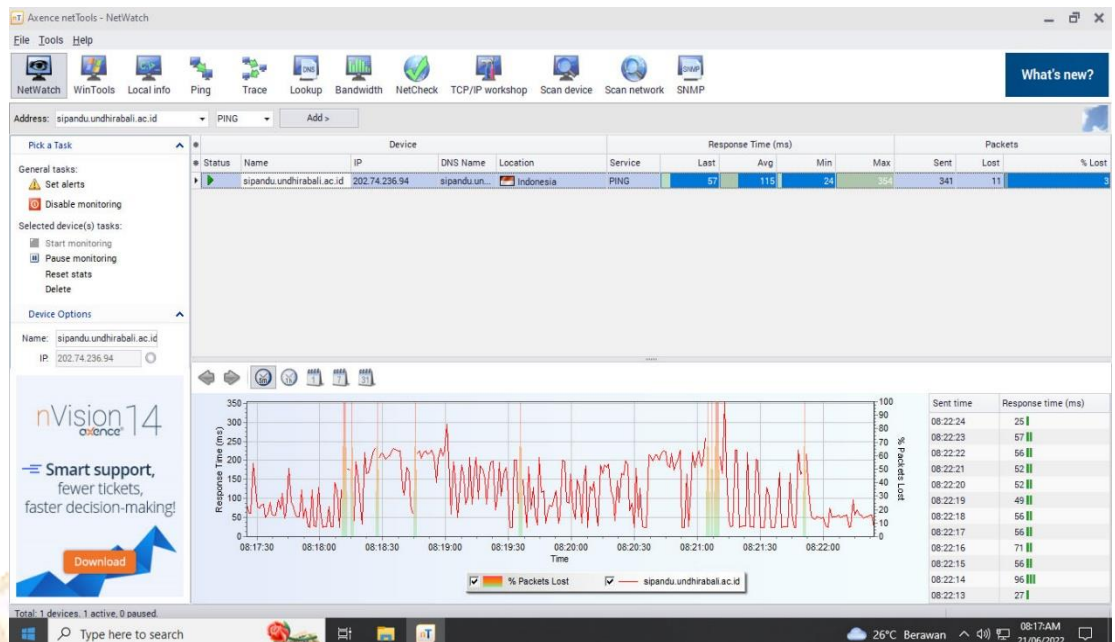
Pengukuran *Throughput* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))



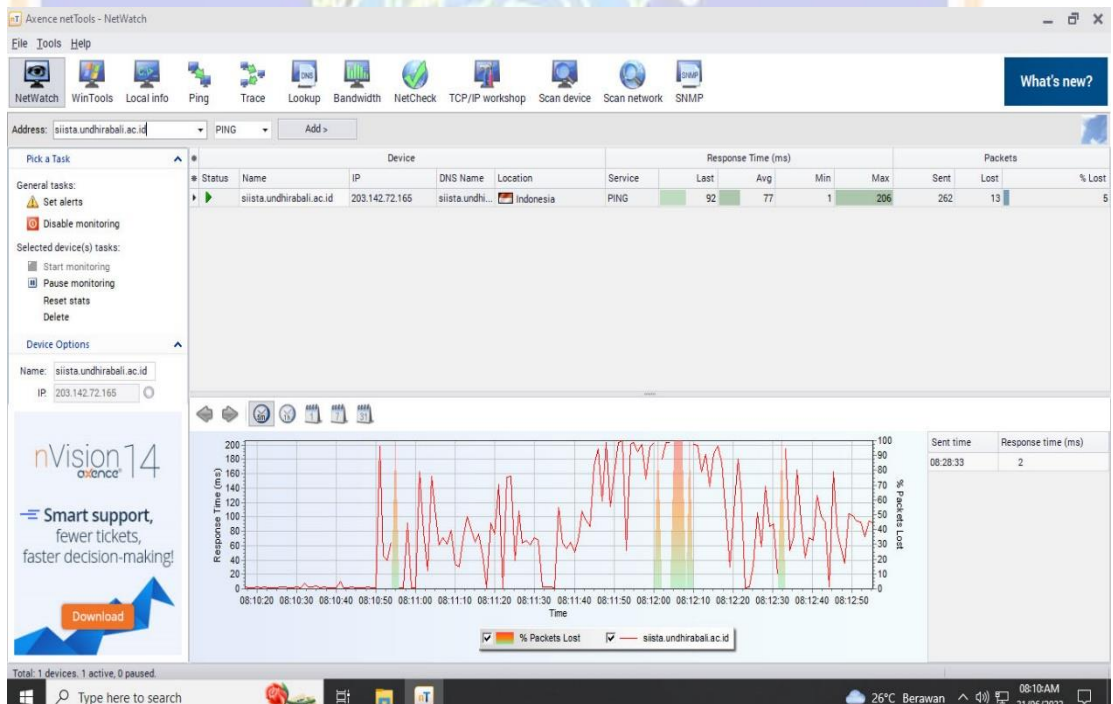
Pengukuran *Throughput* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))

## 2. Pengukuran Nilai *Delay* dan *Packet Loss*

- Pengukuran pada tanggal 21 Juni 2022 pukul 08.00-12.00 wita



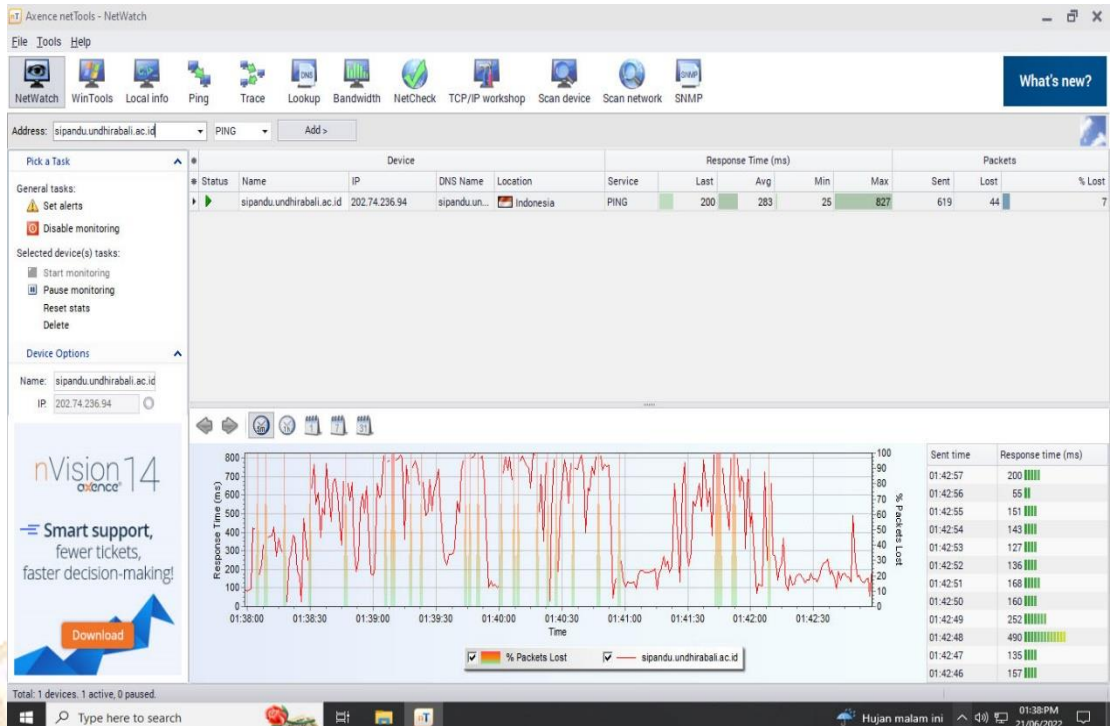
Pengukuran *Delay* dan *Packet Loss* (www.sipandu.undhirabali.ac.id)



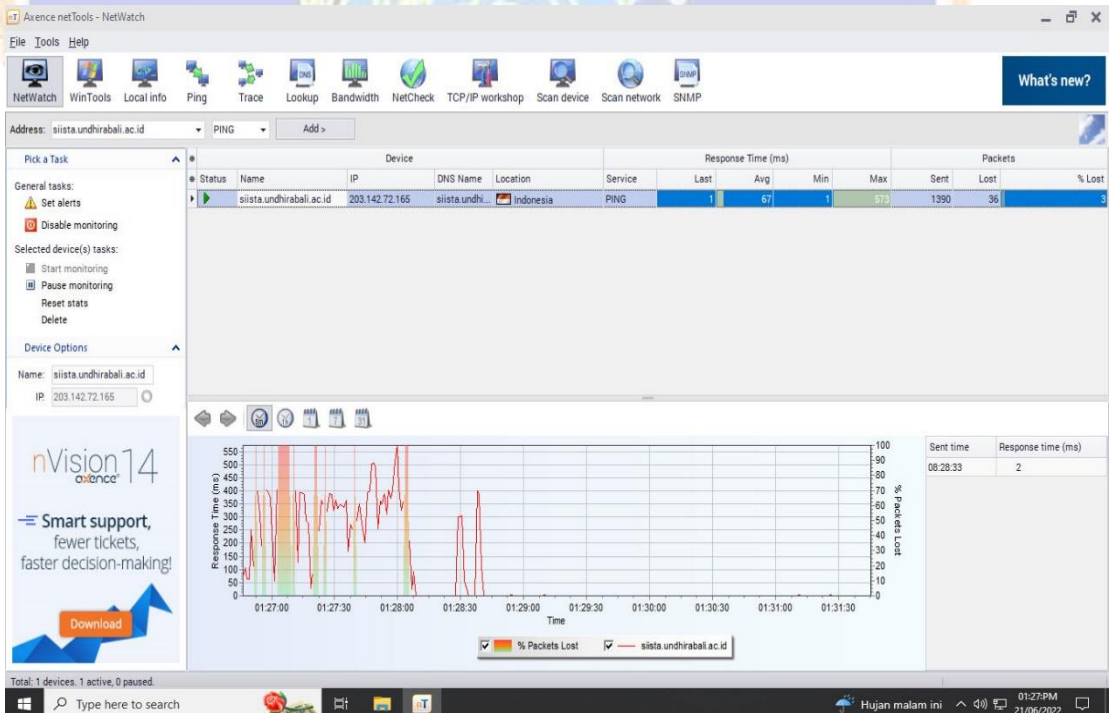
Pengukuran *Delay* dan *Packet Loss* (www.siista.undhirabali.ac.id)



- Pengukuran pada tanggal 21 Juni 2022 pukul 13.00-16.00 wita

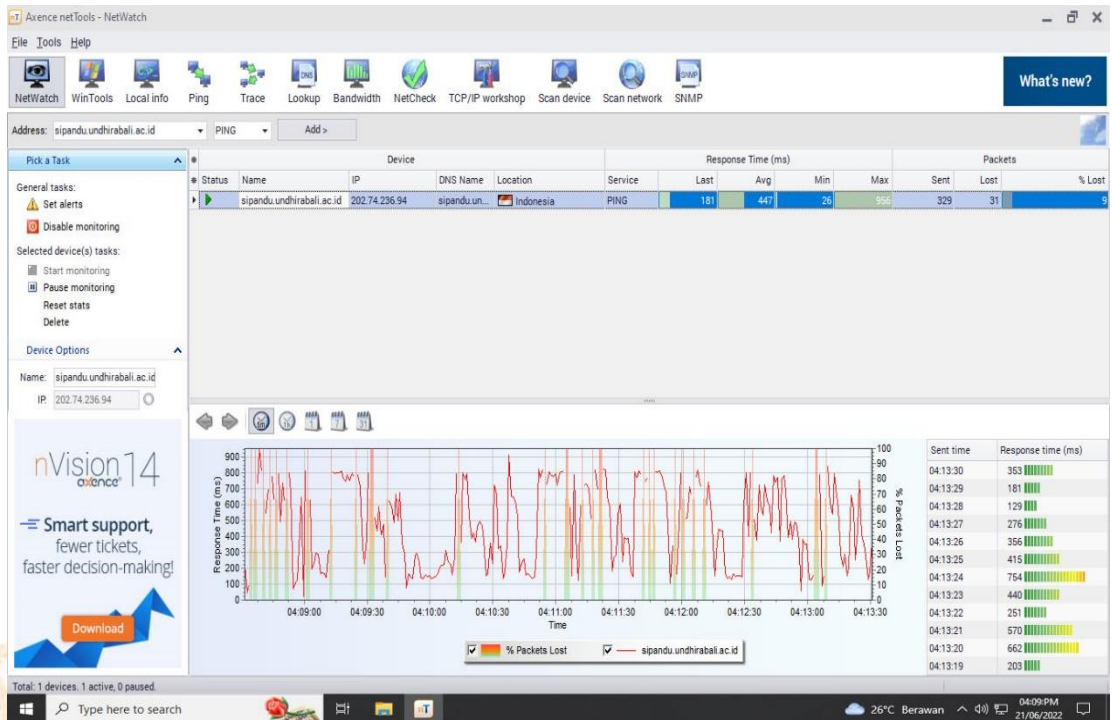


Pengukuran *Delay* dan *Packet Loss* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))

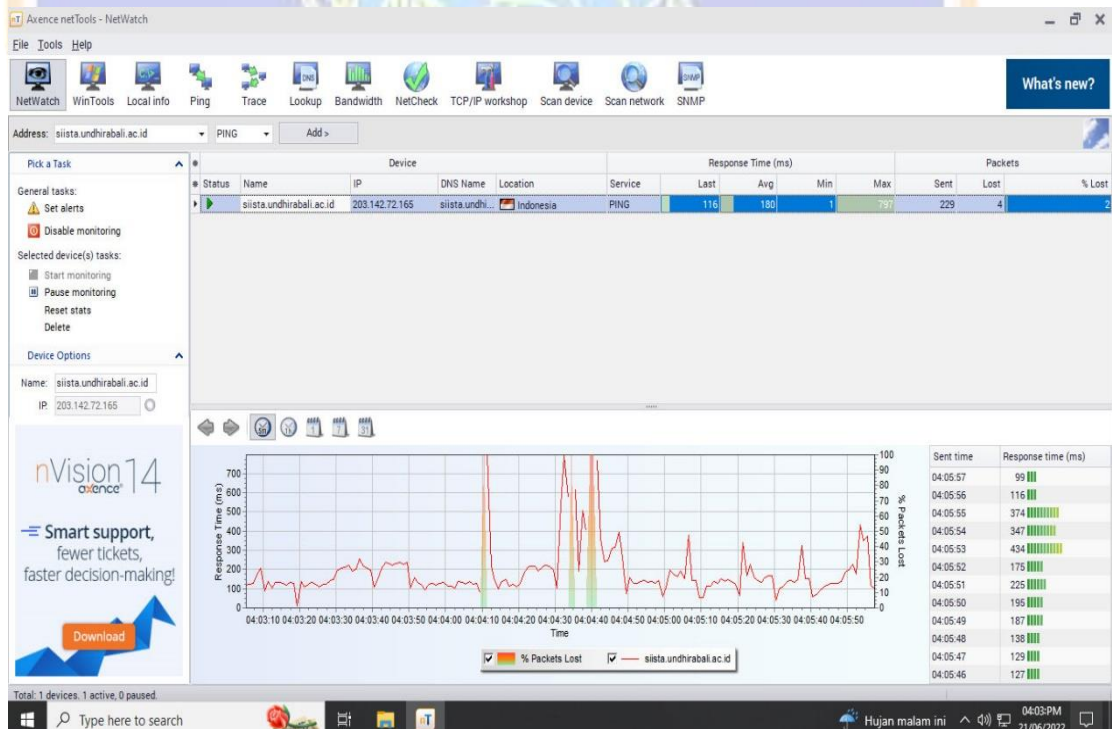


Pengukuran *Delay* dan *Packet Loss* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))

- Pengukuran pada tanggal 21 Juni 2022 pukul 16.00-20.00 wita

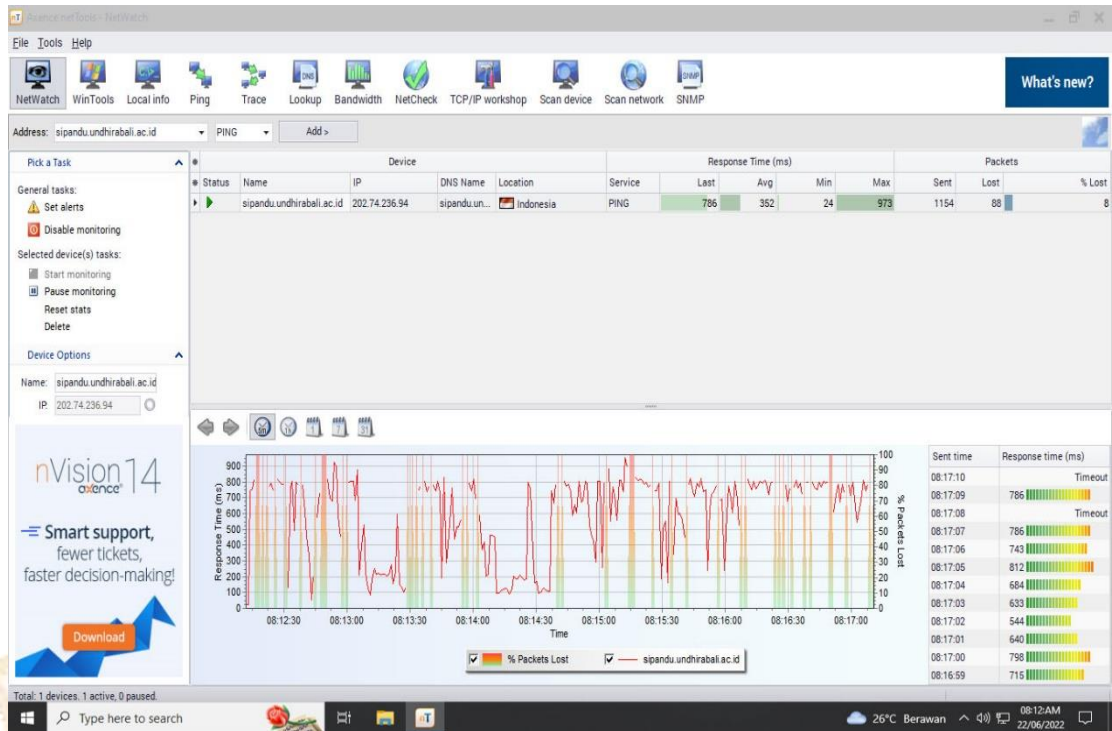


Pengukuran Delay dan Packet Loss (www.sipandu.undhirabali.ac.id)

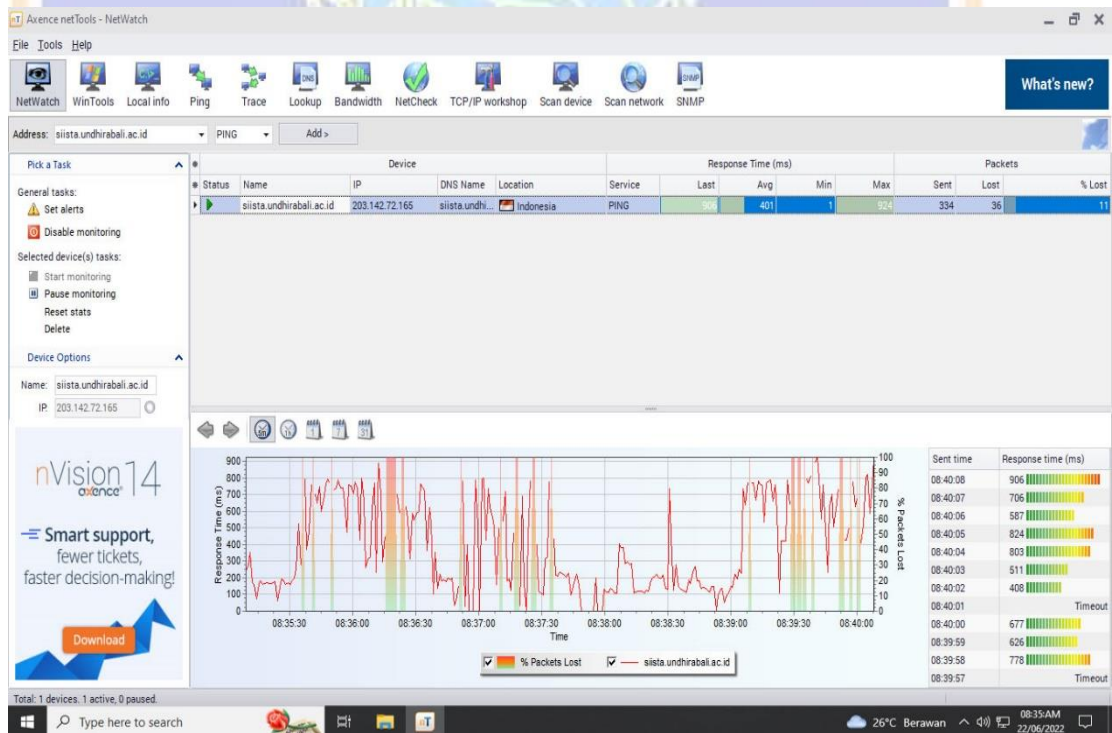


Pengukuran Delay dan Packet Loss (www.siista.undhirabali.ac.id)

- Pengukuran pada tanggal 22 Juni 2022 pukul 08.00-12.00 wita



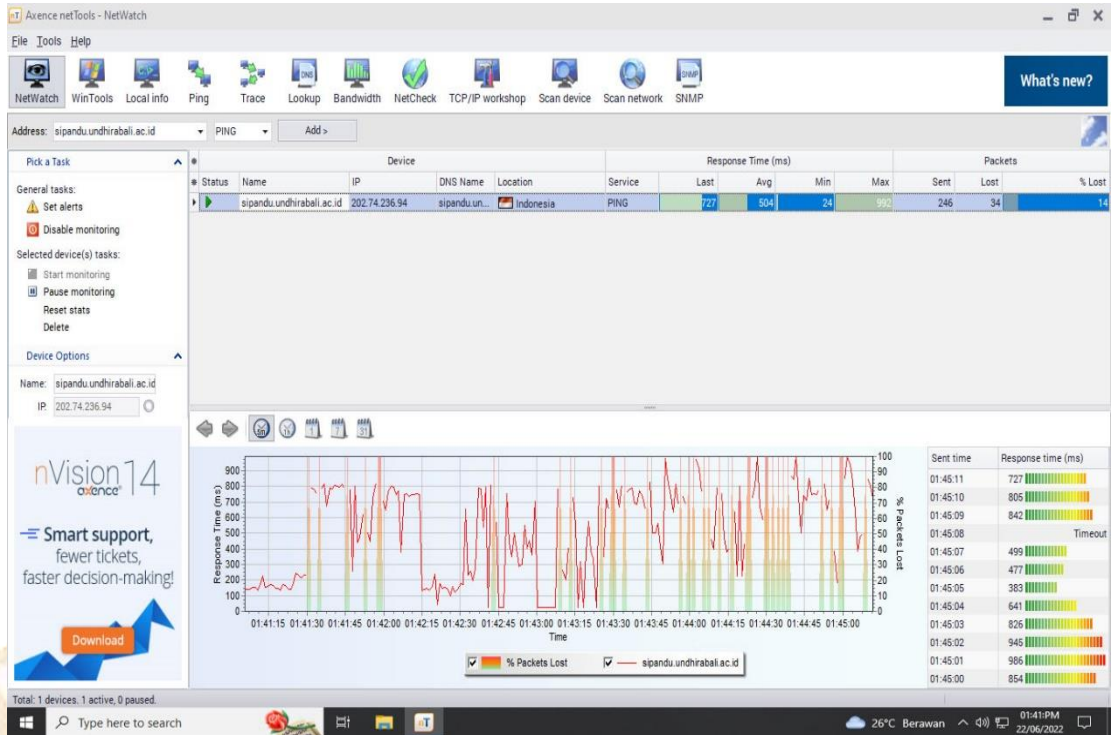
Pengukuran Delay dan Packet Loss (www.sipandu.undhirabali.ac.id)



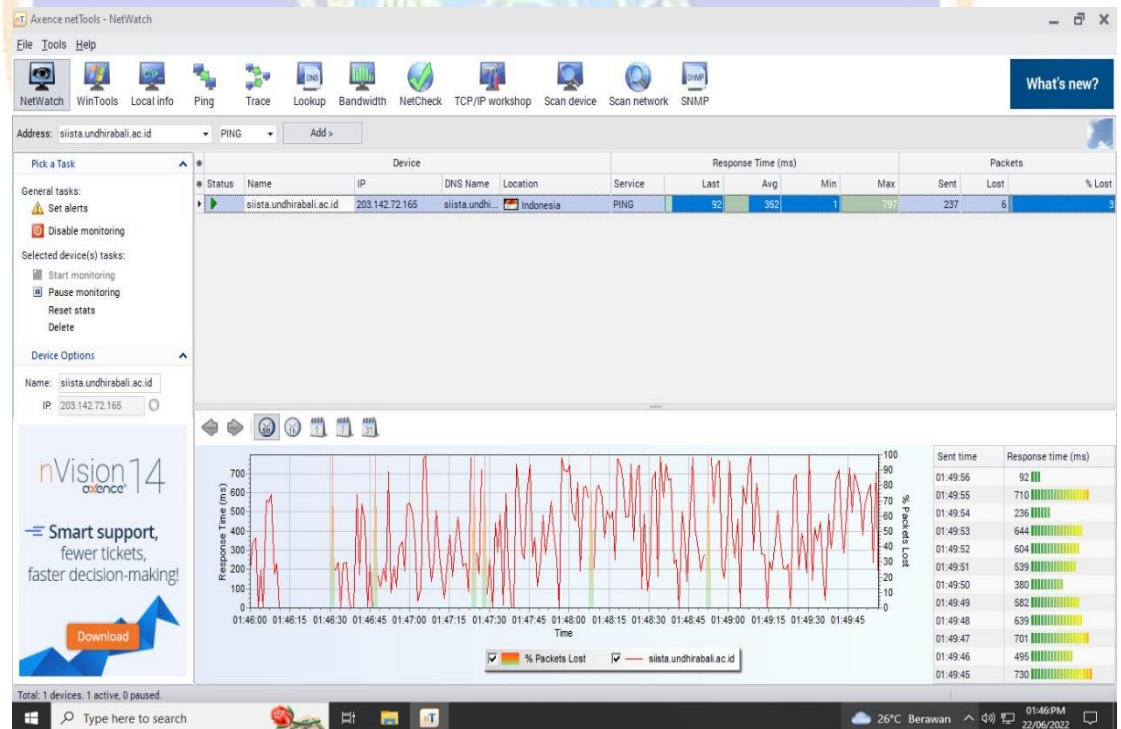
Pengukuran Delay dan Packet Loss (www.siista.undhirabali.ac.id)



- Pengukuran pada tanggal 22 Juni 2022 pukul 13.00-16.00 wita

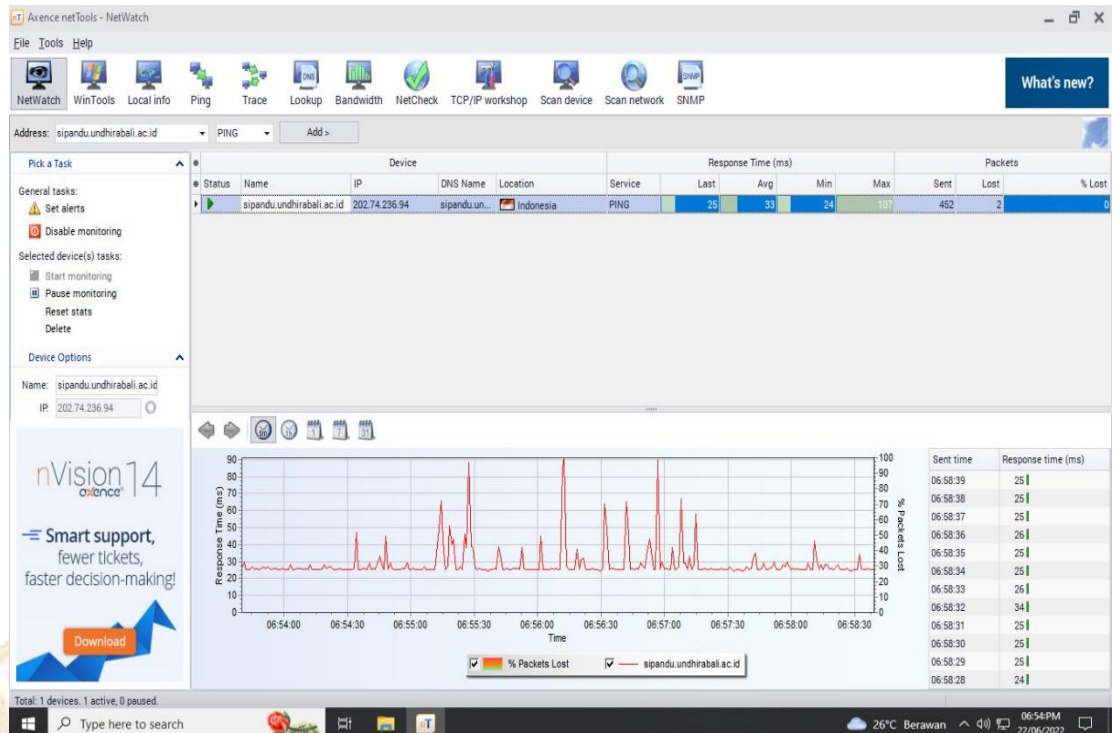


Pengukuran Delay dan Packet Loss (www.sipandu.undhirabali.ac.id)

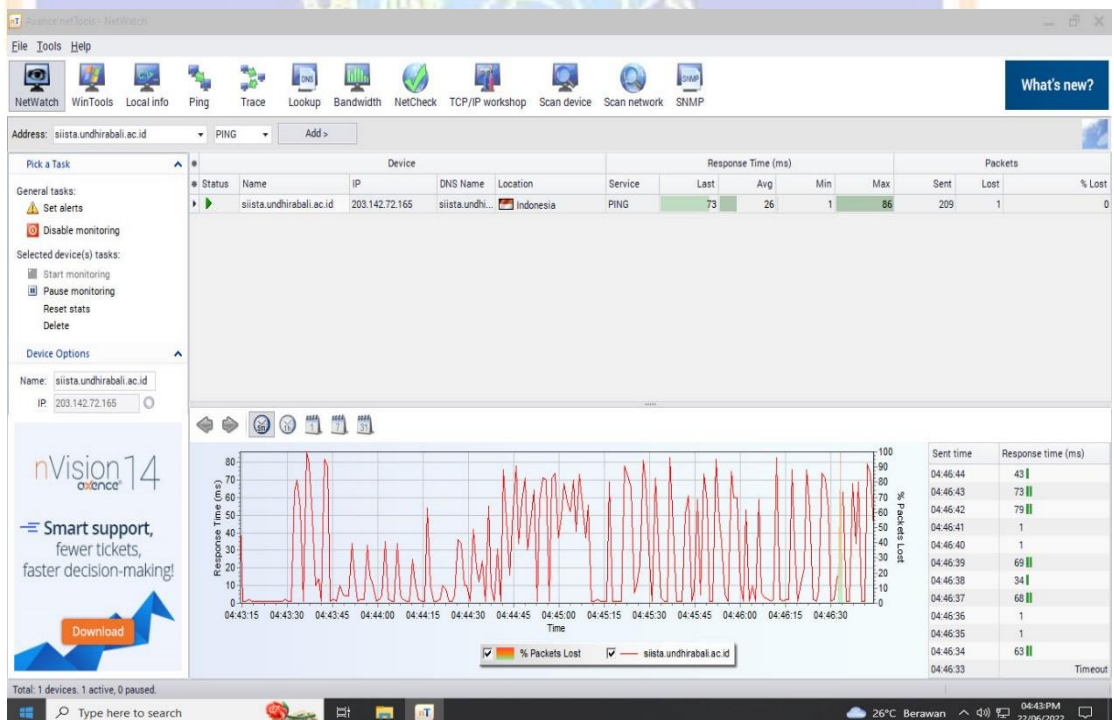


Pengukuran Delay dan Packet Loss (www.siista.undhirabali.ac.id)

- Pengukuran pada tanggal 22 Juni 2022 pukul 16.00-20.00 wita

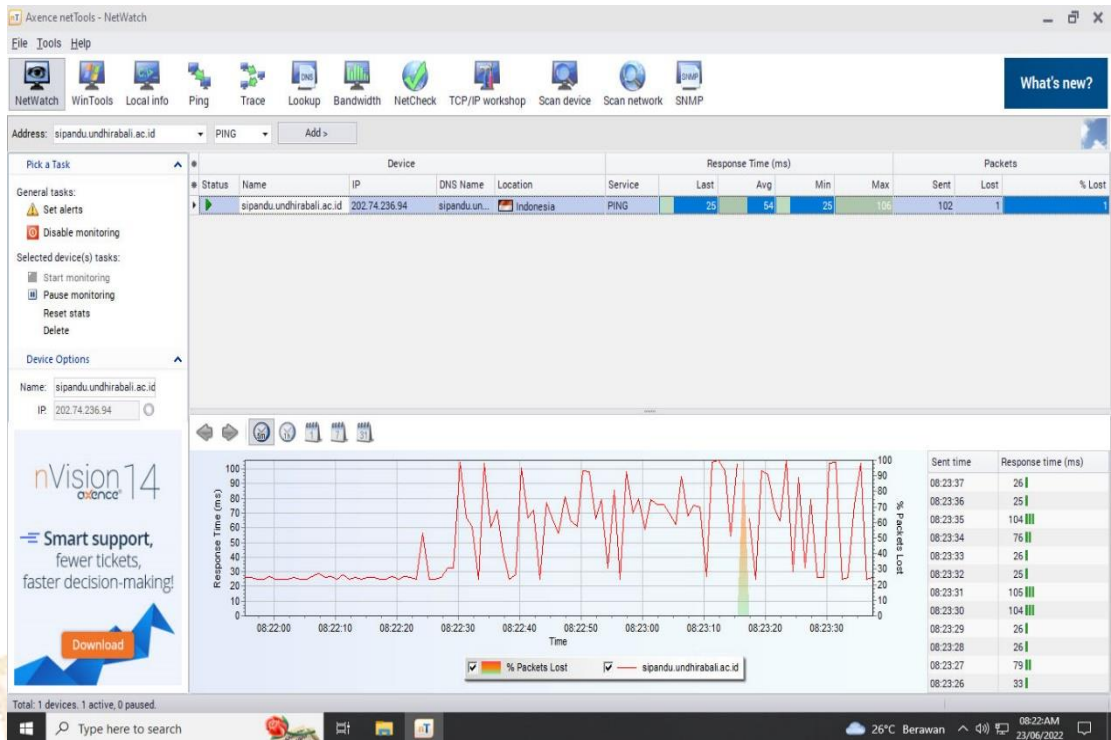


Pengukuran Delay dan Packet Loss (www.sipandu.undhirabali.ac.id)

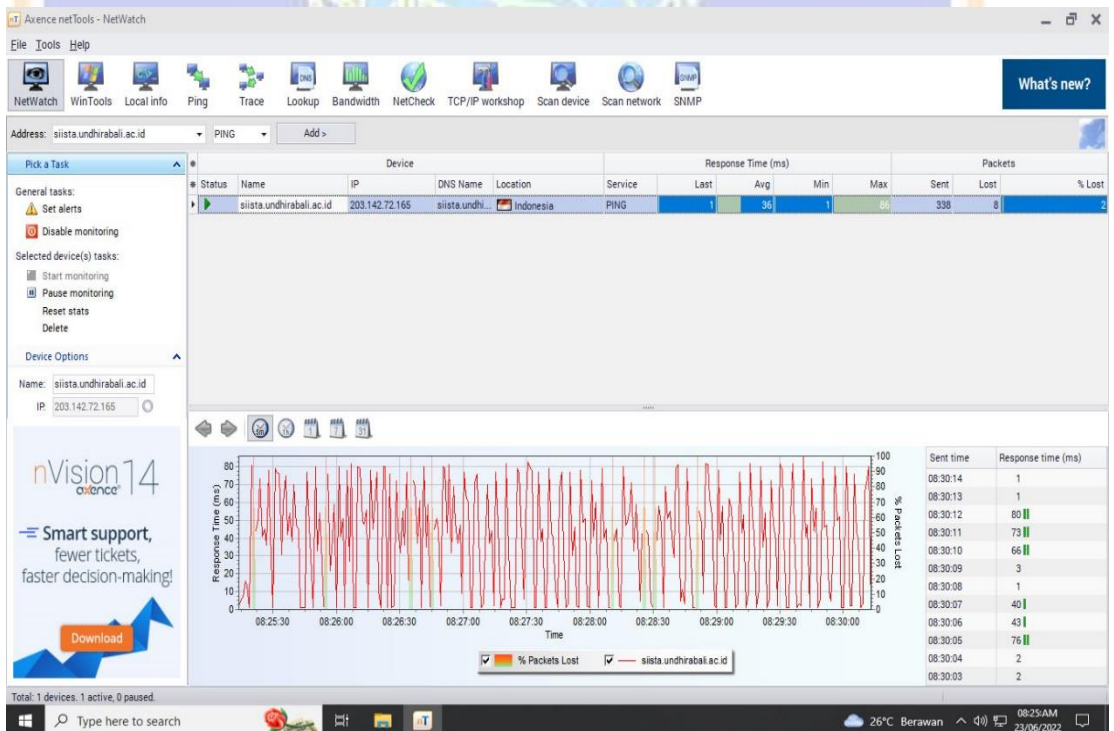


Pengukuran Delay dan Packet Loss (www.siista.undhirabali.ac.id)

- Pengukuran pada tanggal 23 Juni 2022 pukul 08.00-12.00 wita



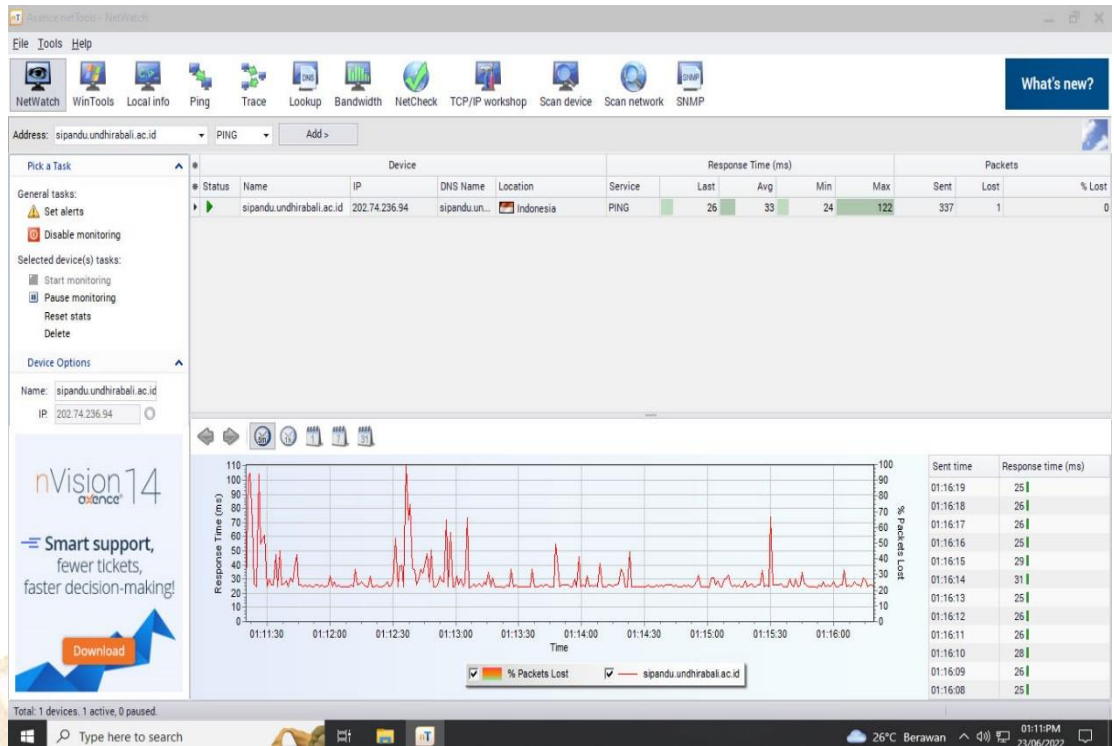
Pengukuran Delay dan Packet Loss (www.sipandu.undhirabali.ac.id)



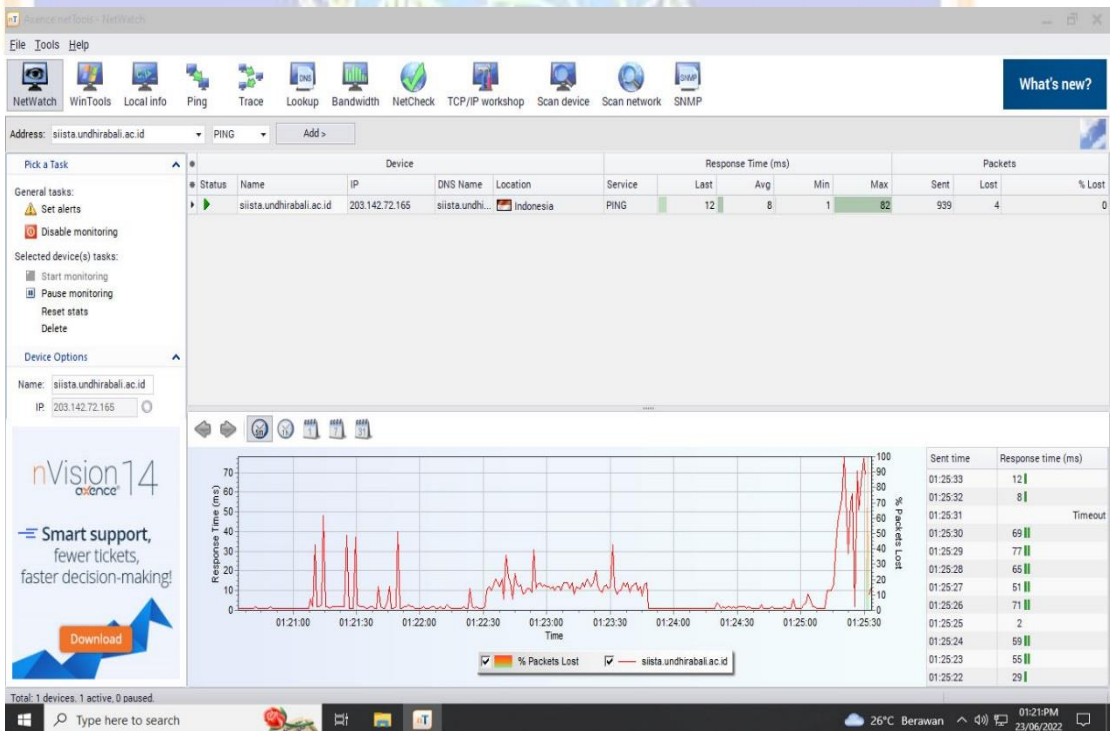
Pengukuran Delay dan Packet Loss (www.siista.undhirabali.ac.id)



- Pengukuran pada tanggal 23 Juni 2022 pukul 13.00-16.00 wita

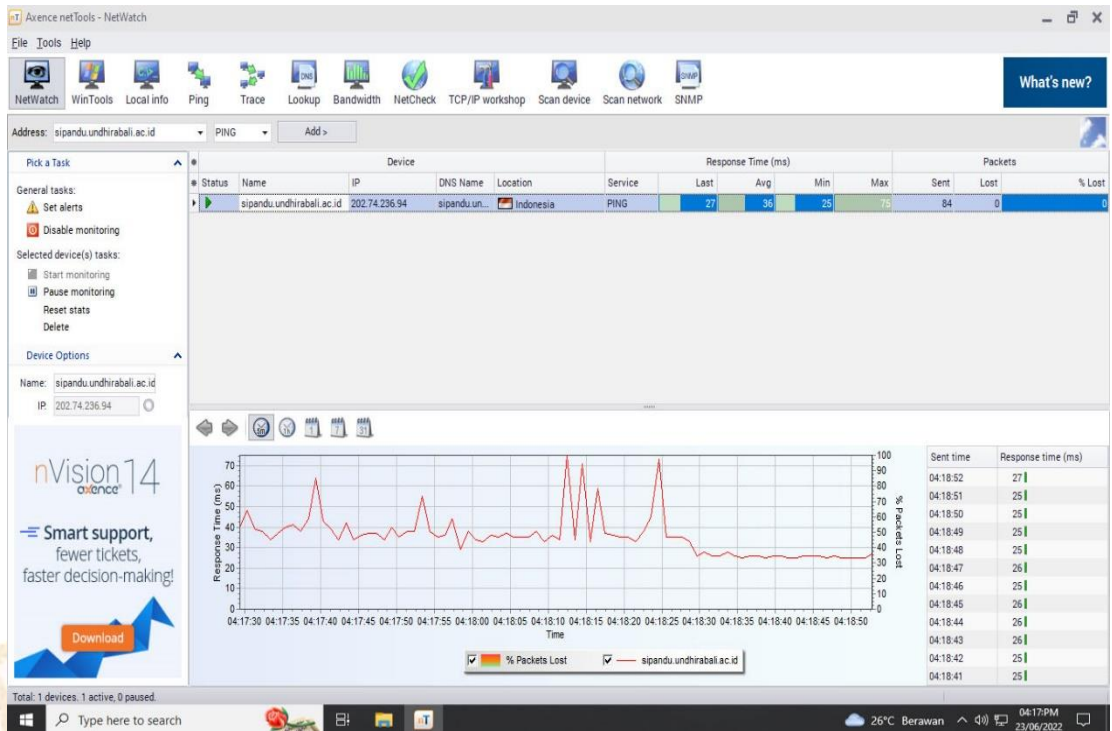


Pengukuran Delay dan Packet Loss (www.sipandu.undhirabali.ac.id)

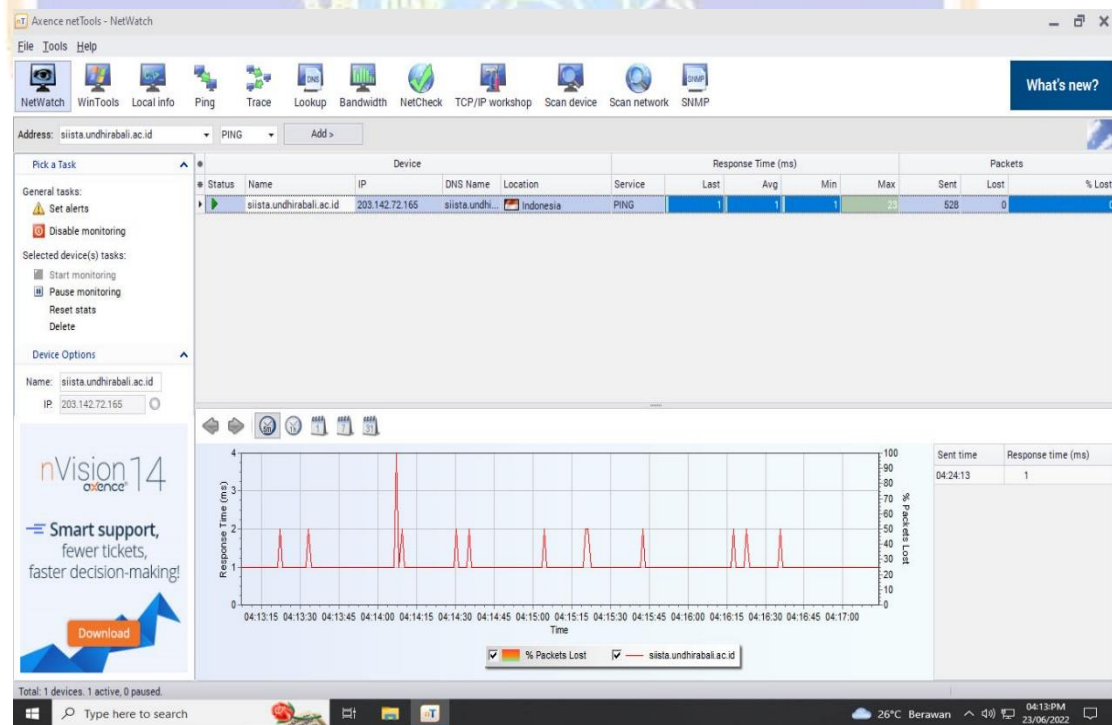


Pengukuran Delay dan Packet Loss (www.siista.undhirabali.ac.id)

- Pengukuran pada tanggal 23 Juni 2022 pukul 16.00-20.00 wita



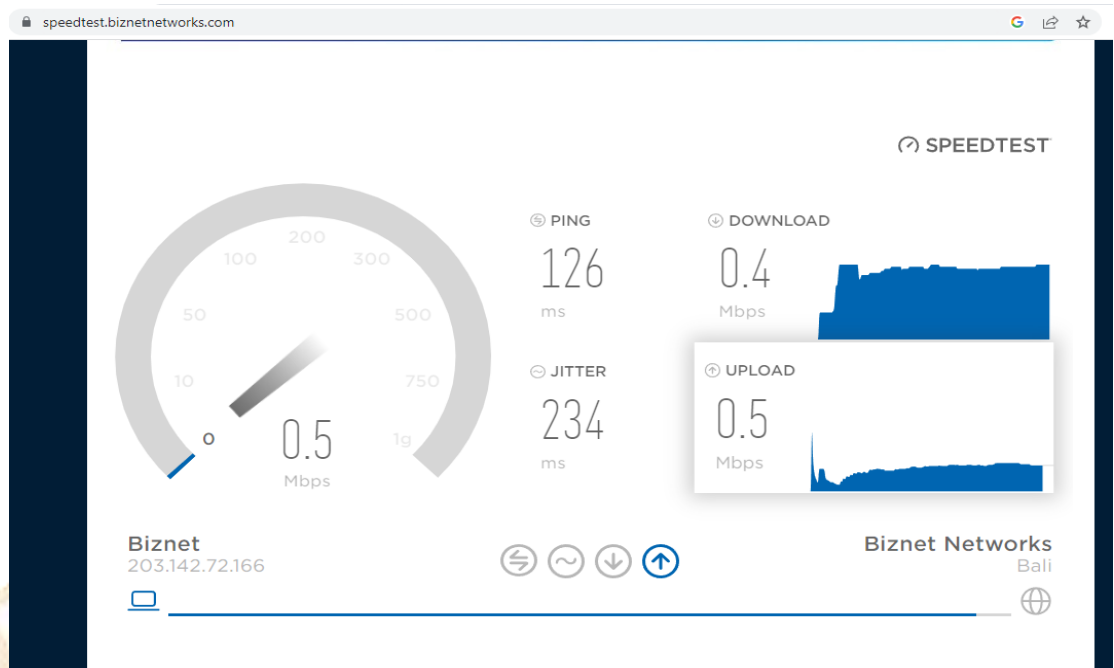
Pengukuran Delay dan Packet Loss (www.sipandu.undhirabali.ac.id)



Pengukuran Delay dan Packet Loss (www.siista.undhirabali.ac.id)

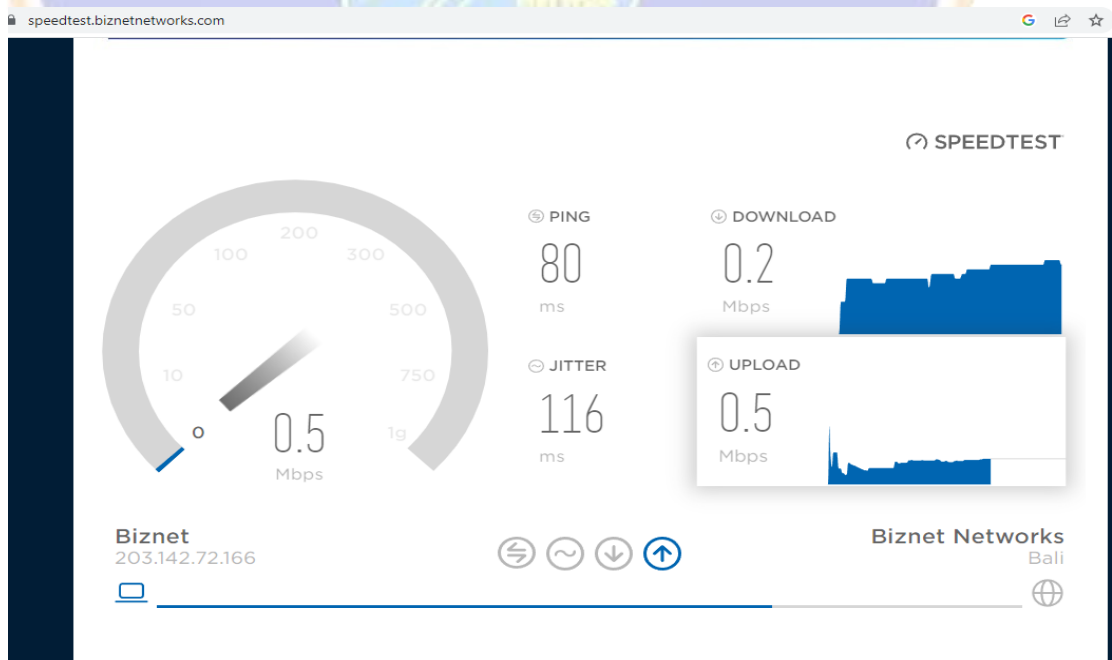
### 3. Pengukuran Nilai *Jitter*

- Pengukuran pada tanggal 21 Juni 2022 pukul 08.00-12.00 wita



Pengukuran *Jitter*

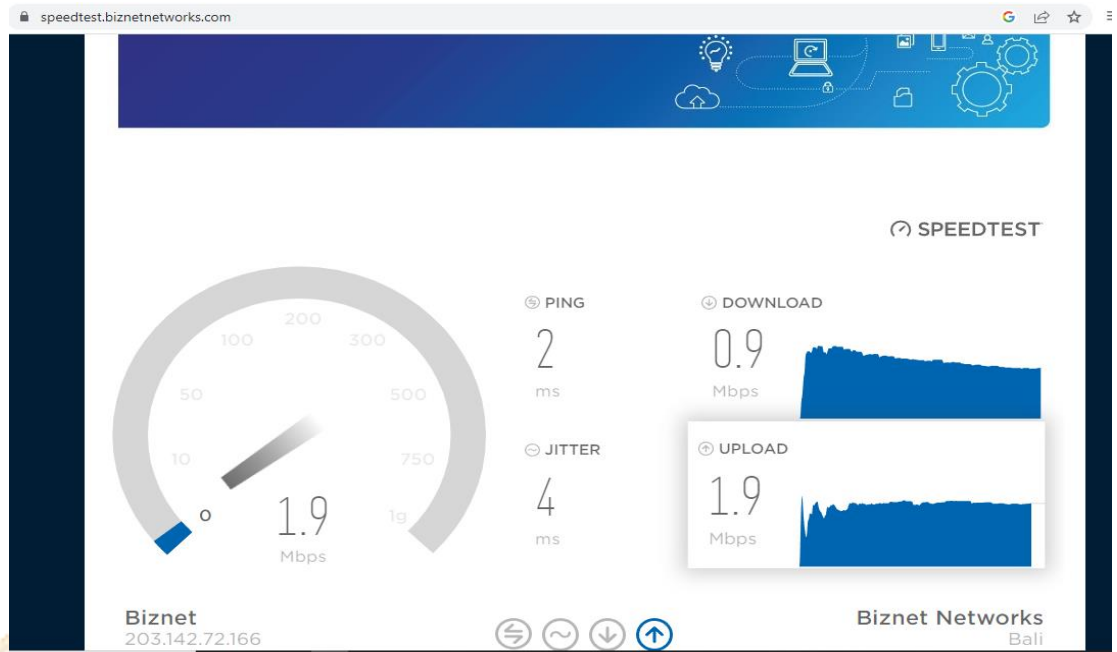
- Pengukuran pada tanggal 21 Juni 2022 pukul 13.00-16.00 wita



Pengukuran *Jitter*

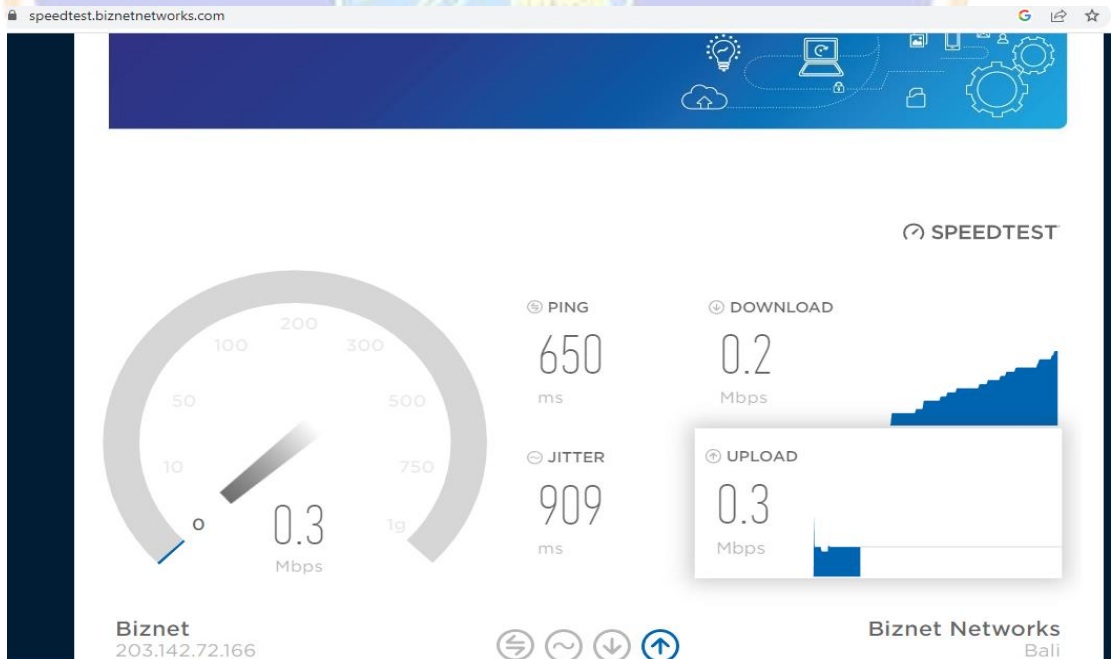


- Pengukuran pada tanggal 21 Juni 2022 pukul 16.00-20.00 wita



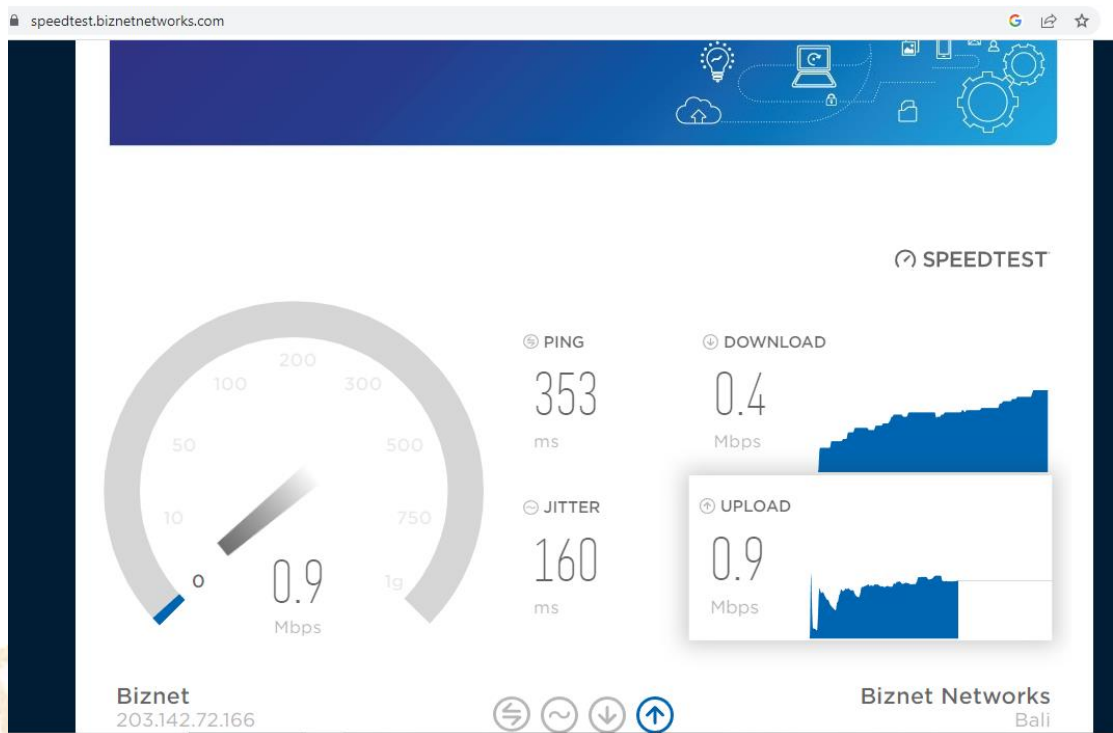
Pengukuran *Jitter*

- Pengukuran pada tanggal 22 Juni 2022 pukul 08.00-12.00 wita



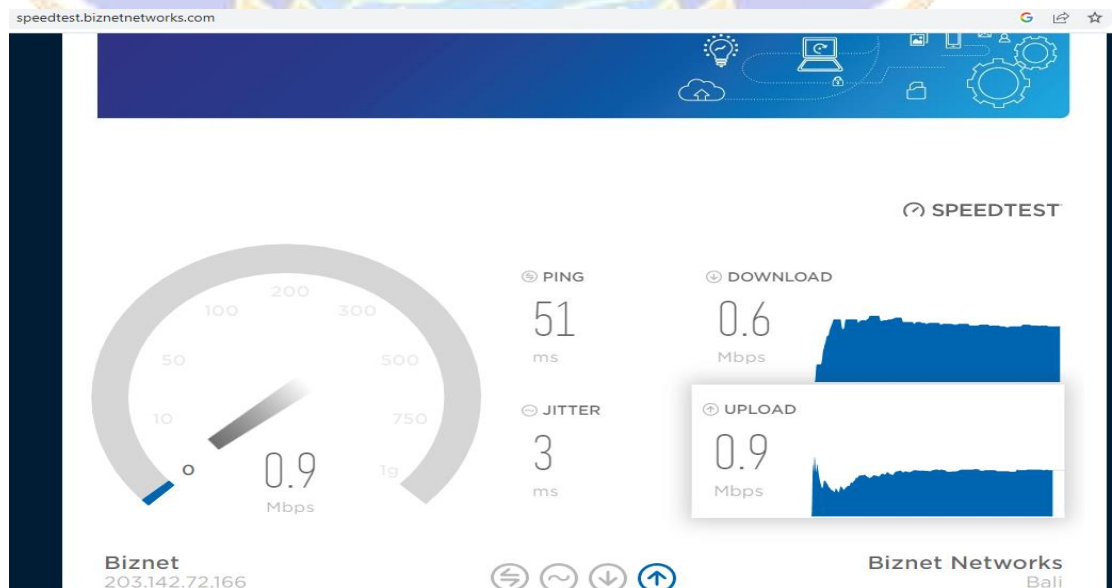
Pengukuran *Jitter*

- Pengukuran pada tanggal 22 Juni 2022 pukul 13.00-16.00 wita



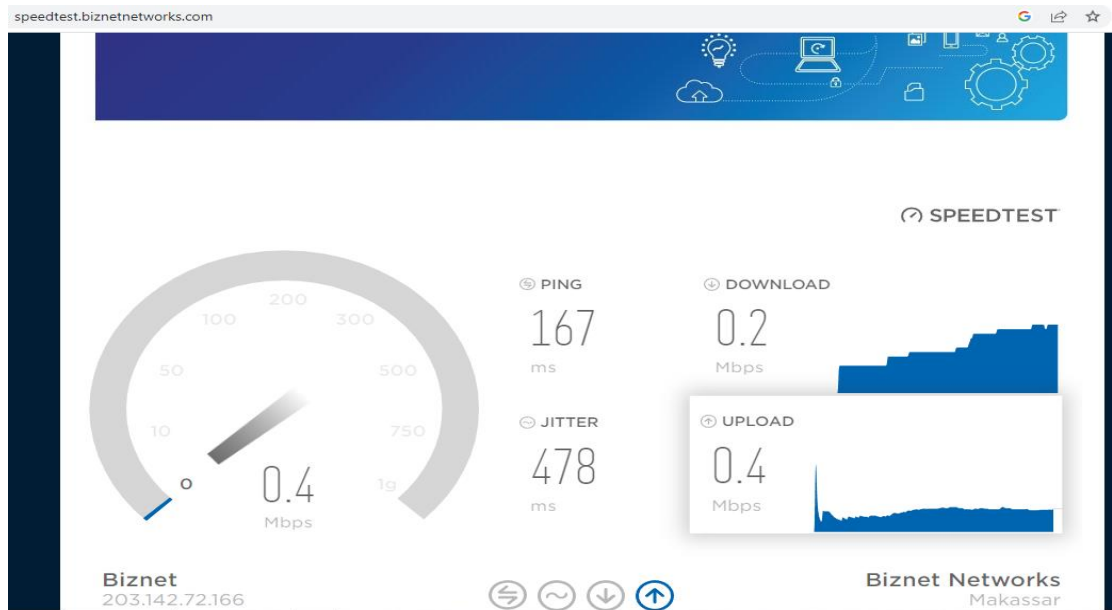
Pengukuran *Jitter*

- Pengukuran pada tanggal 22 Juni 2022 pukul 16.00-20.00 wita



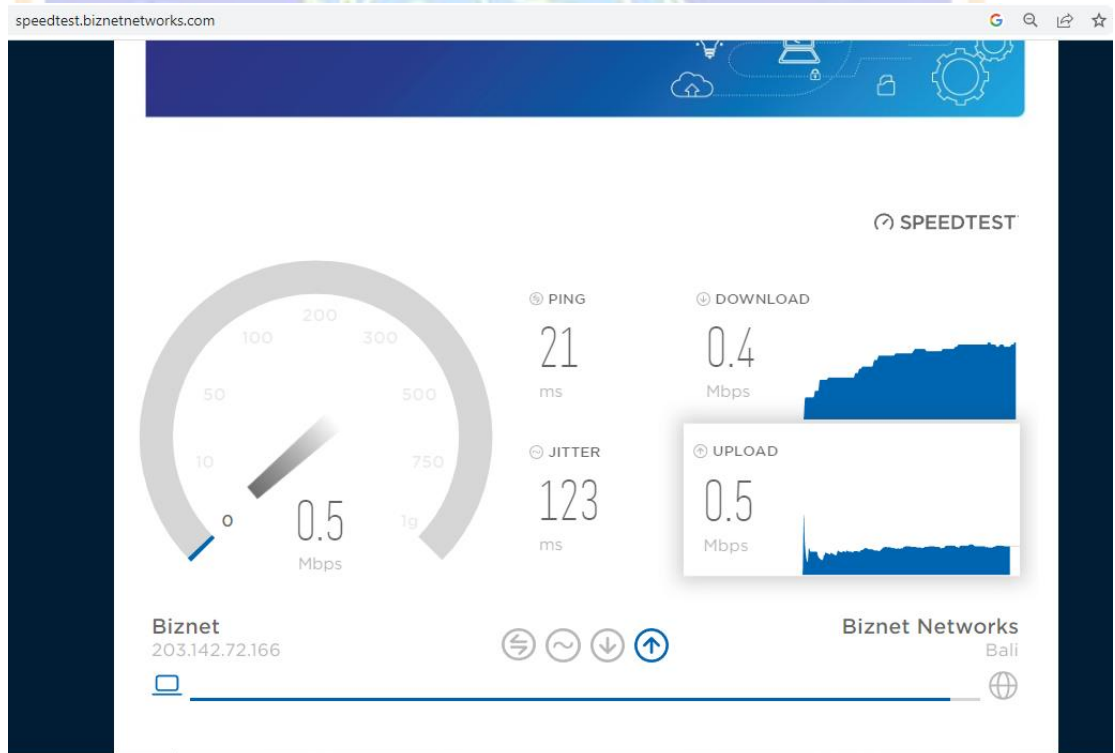
Pengukuran *Jitter*

- Pengukuran pada tanggal 23 Juni 2022 pukul 08.00-12.00 wita



Pengukuran *Jitter*

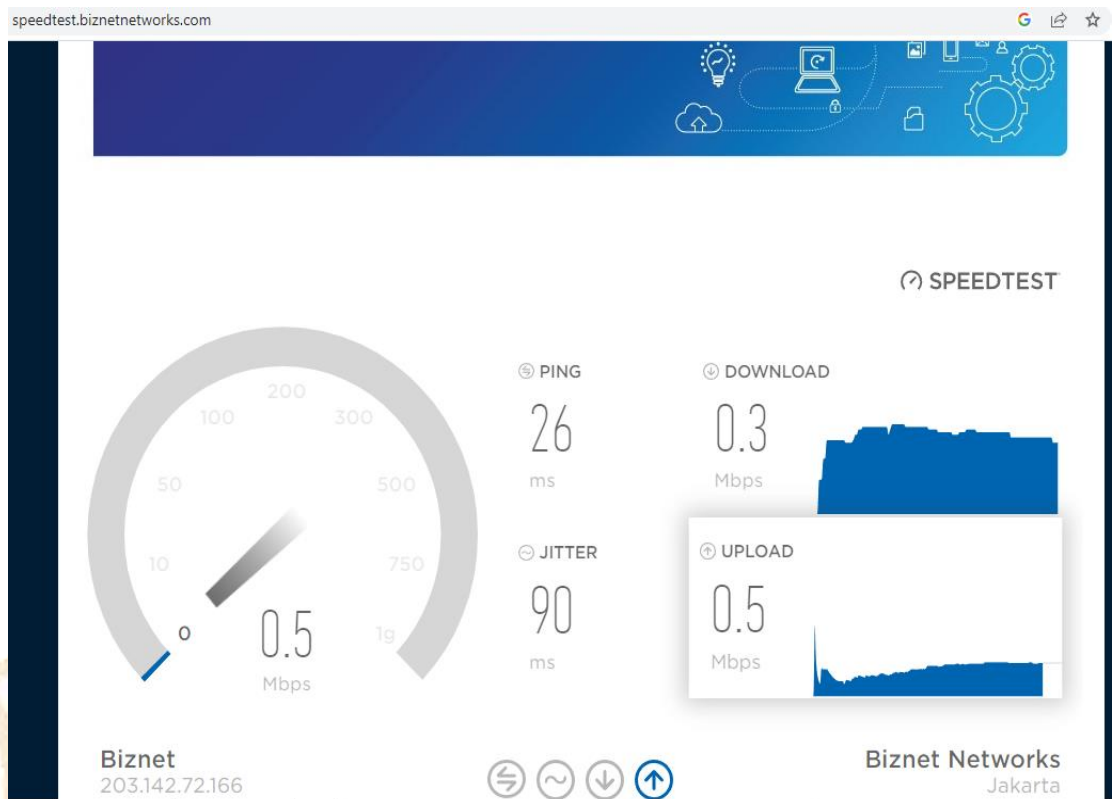
- Pengukuran pada tanggal 23 Juni 2022 pukul 13.00-16.00 wita



Pengukuran *Jitter*



- Pengukuran pada tanggal 23 Juni 2022 pukul 16.00-20.00 wita

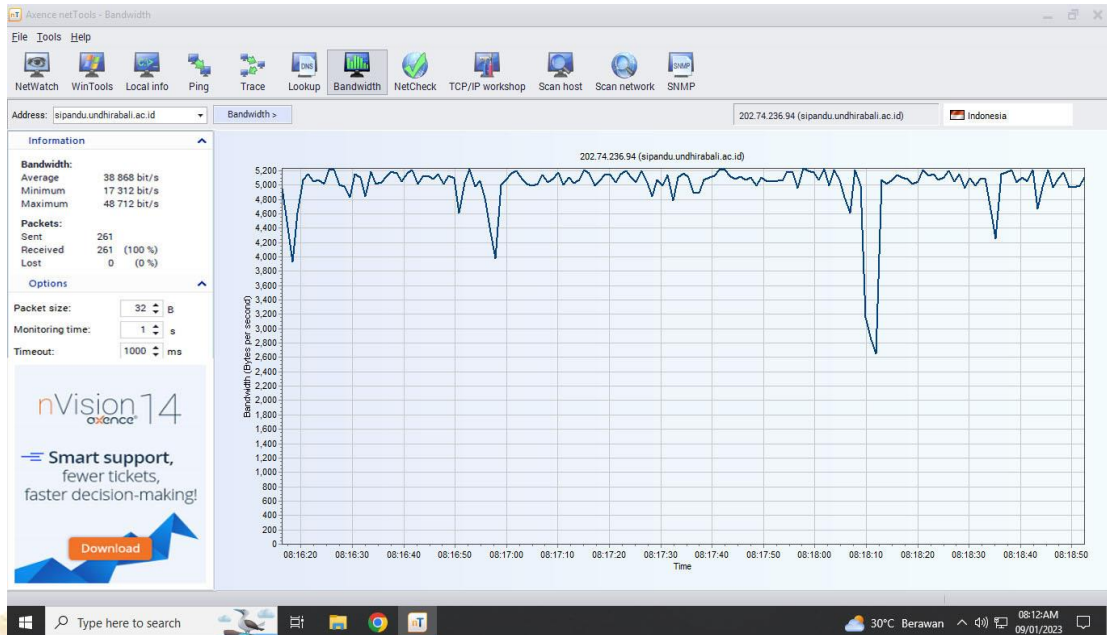


Pengukuran *Jitter*

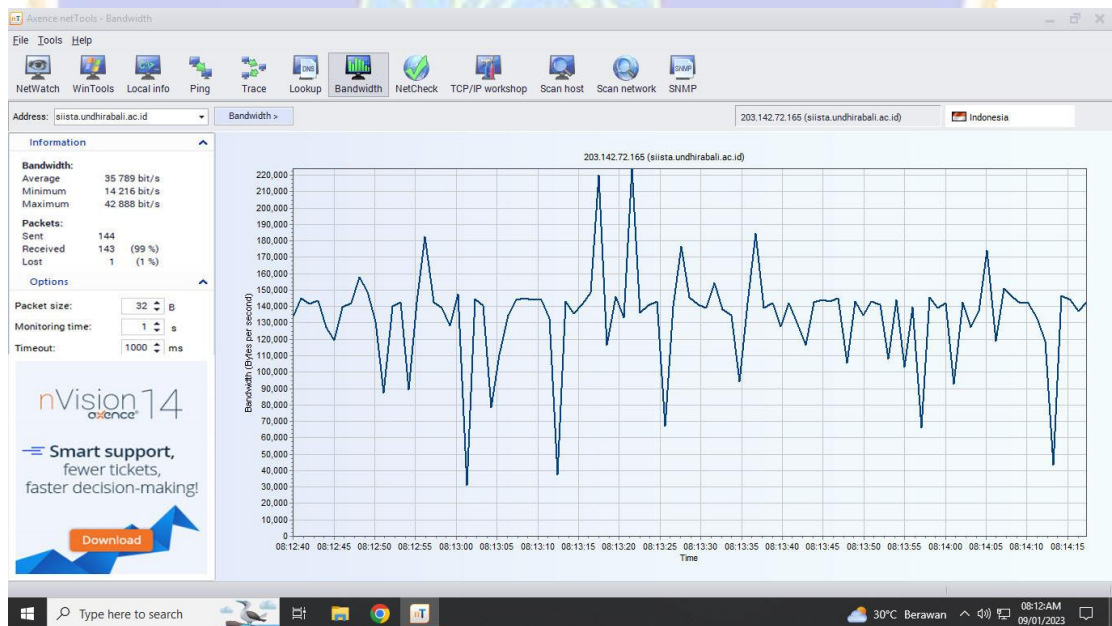


## Lampiran 2 Pengukuran Metode HTB Pengukuran tanggal 9 Januari 2023

- Pengukuran jam 08.00-12.00 wita

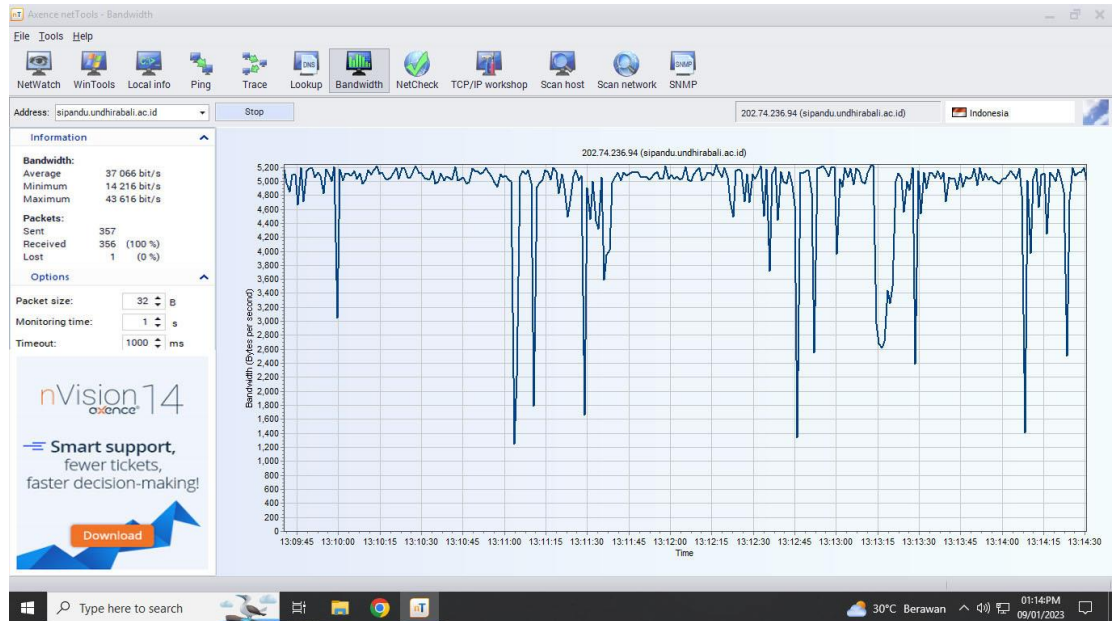


Pengukuran *Throughput* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))

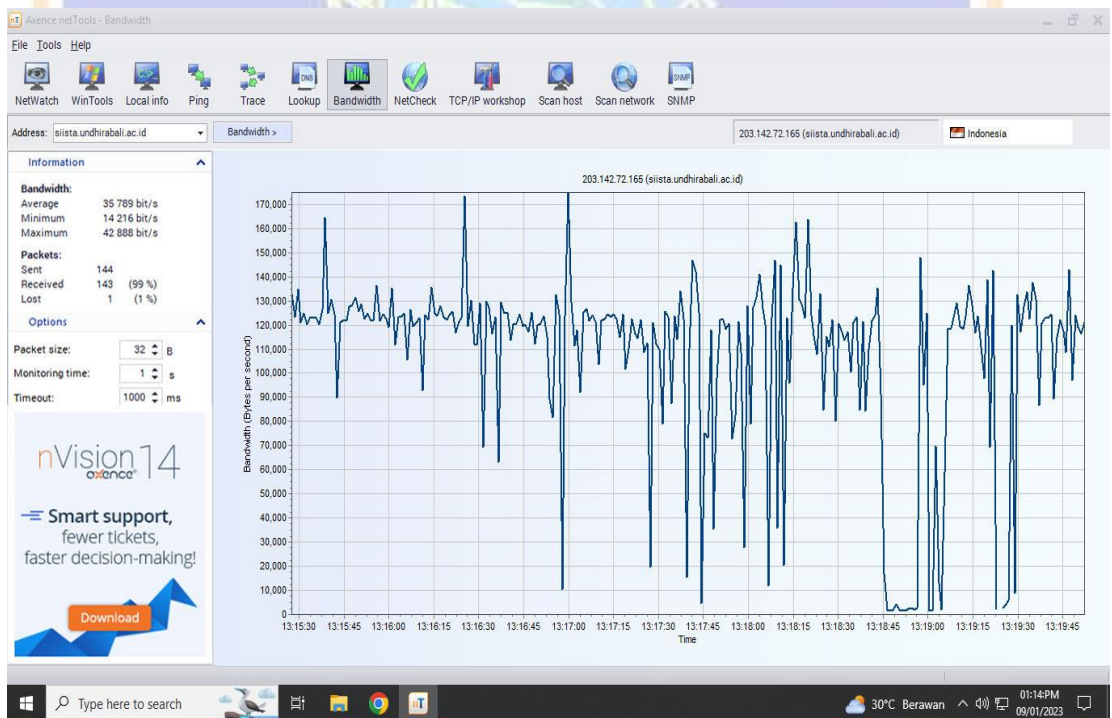


Pengukuran *Throughput* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))

- Pengukuran jam 13.00-16.00 wita



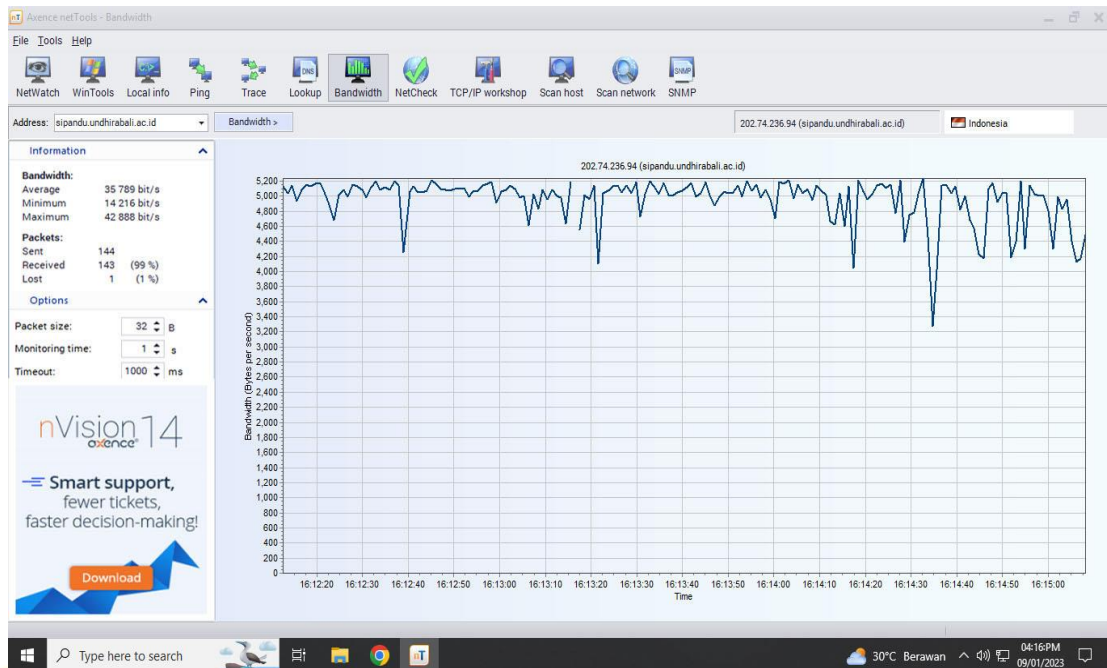
Pengukuran *Throughput* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))



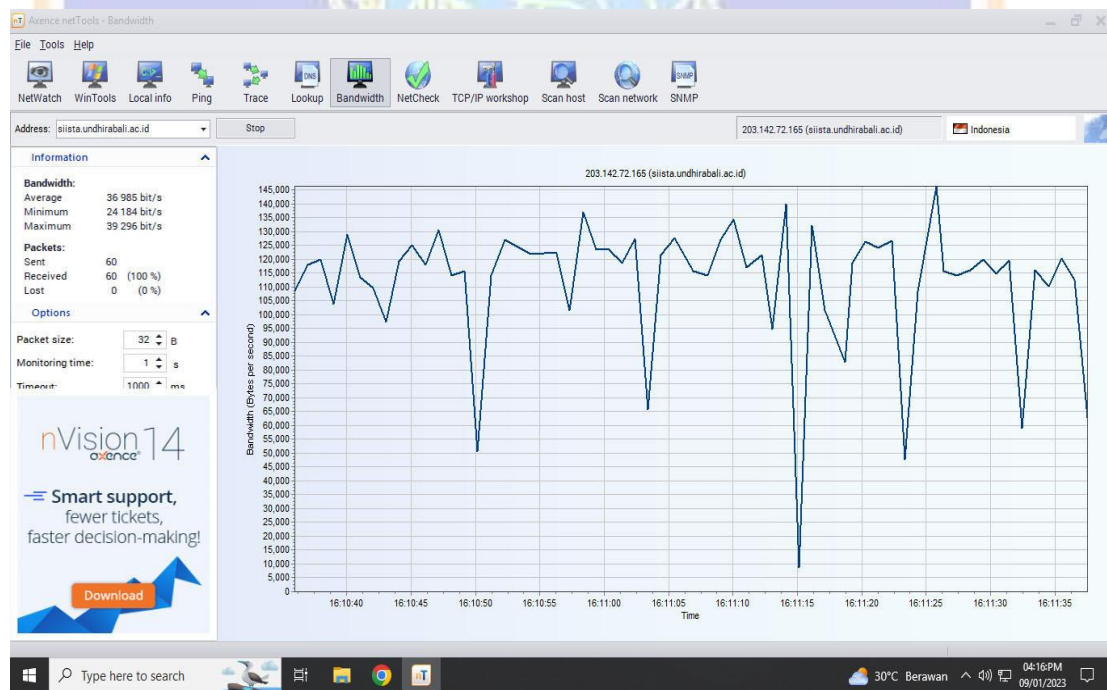
Pengukuran *Throughput* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))



- Pengukuran jam 16.00-20.00 wita



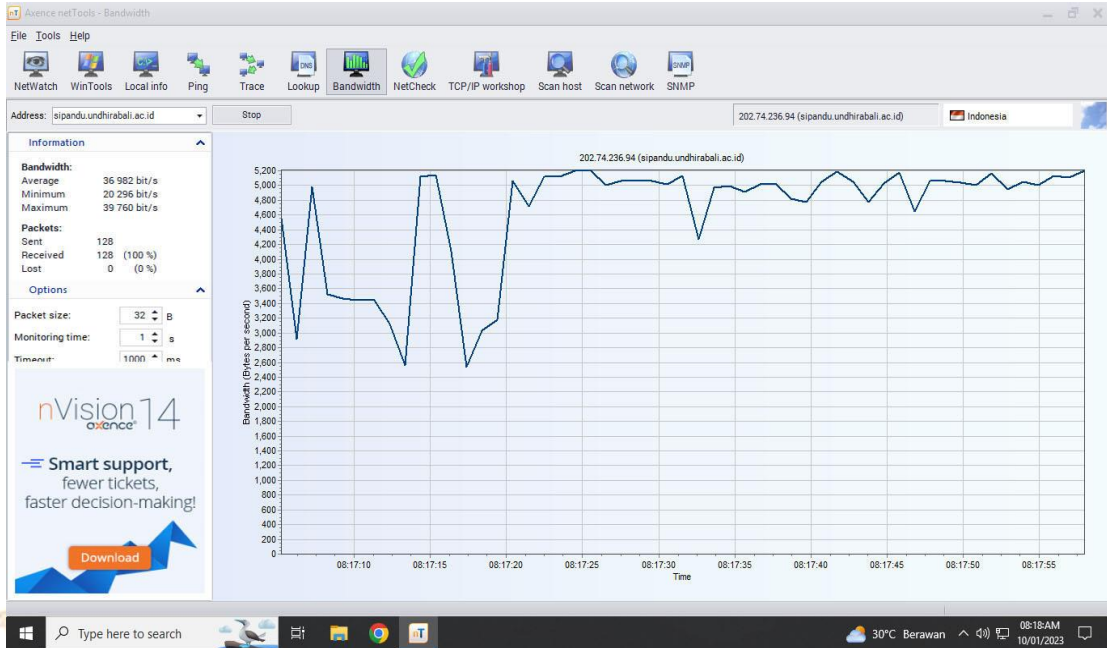
Pengukuran *Throughput* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))



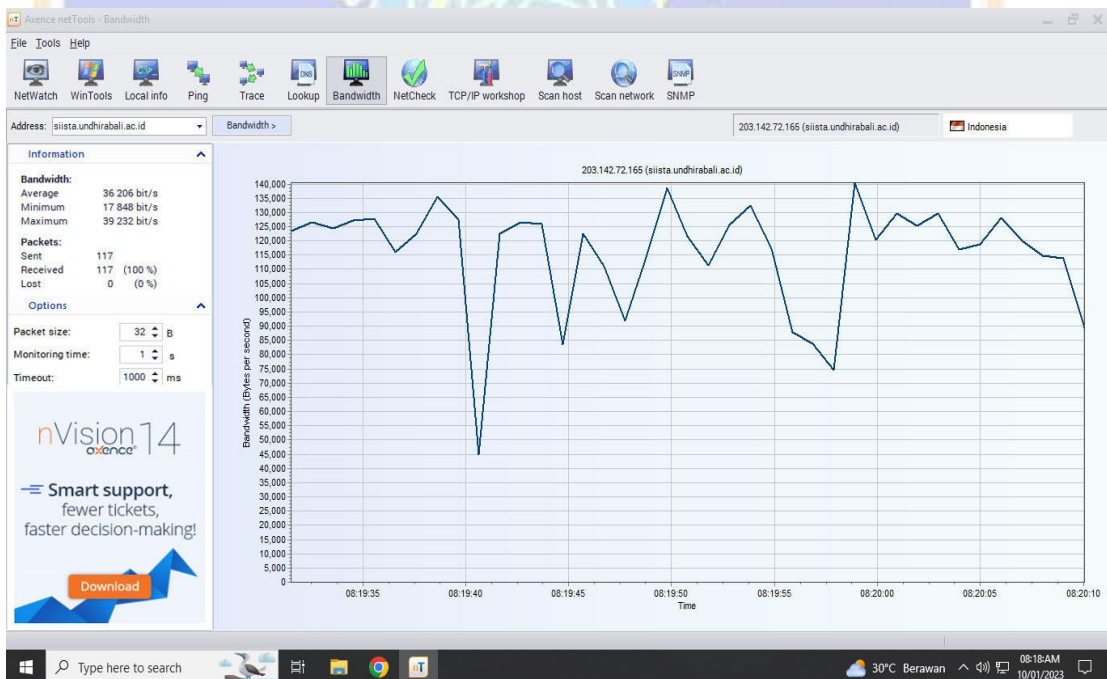
Pengukuran *Throughput* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))

## Pengukuran tanggal 10 Januari 2023

- Pengukuran jam 08.00-12.00 wita

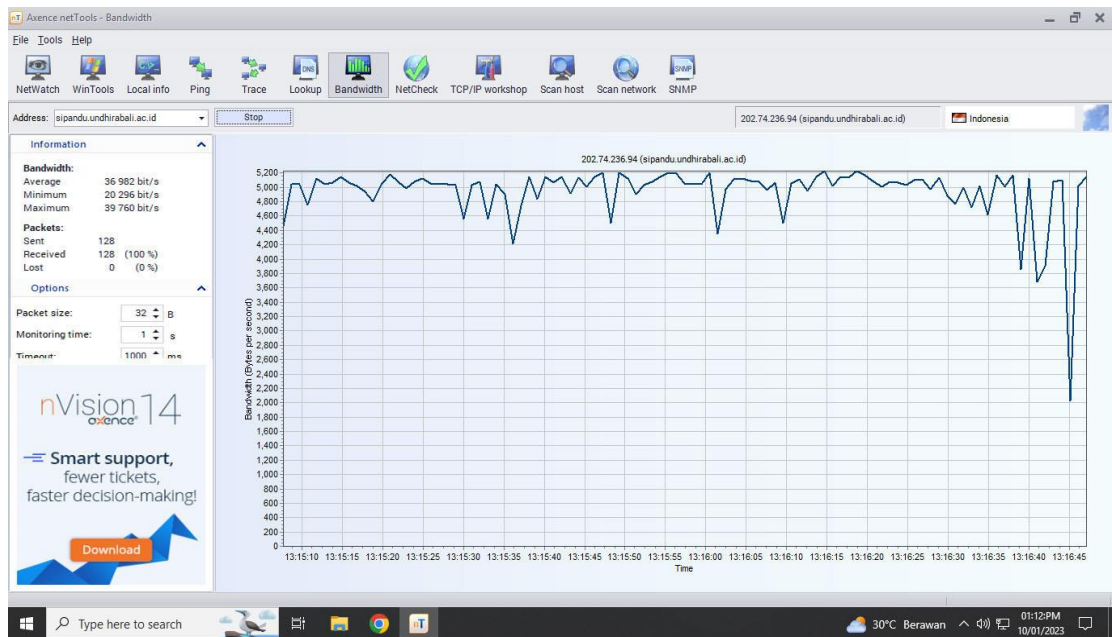


Pengukuran *Throughput* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))

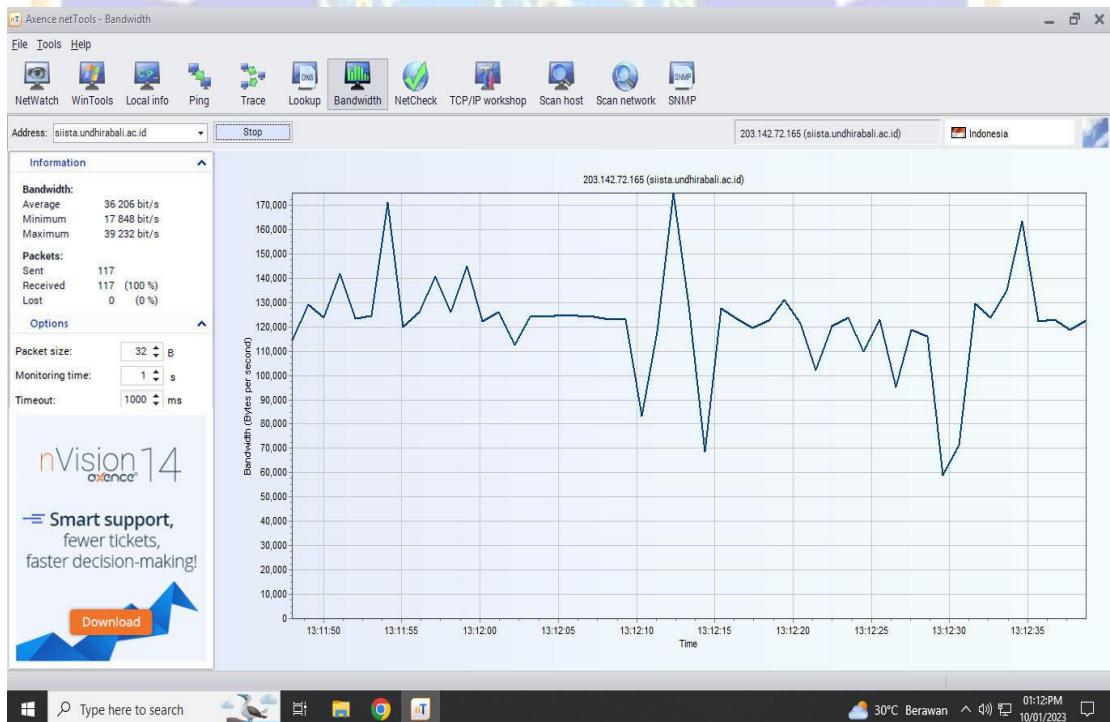


Pengukuran *Throughput* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))

- Pengukuran jam 13.00-16.00 wita



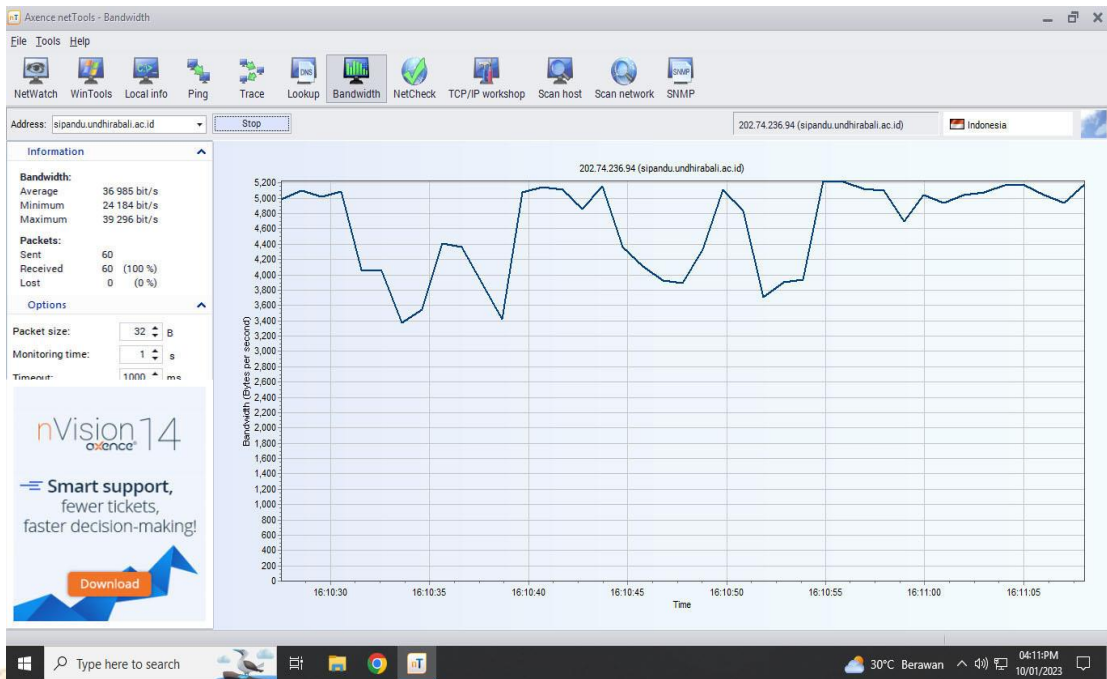
Pengukuran *Throughput* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))



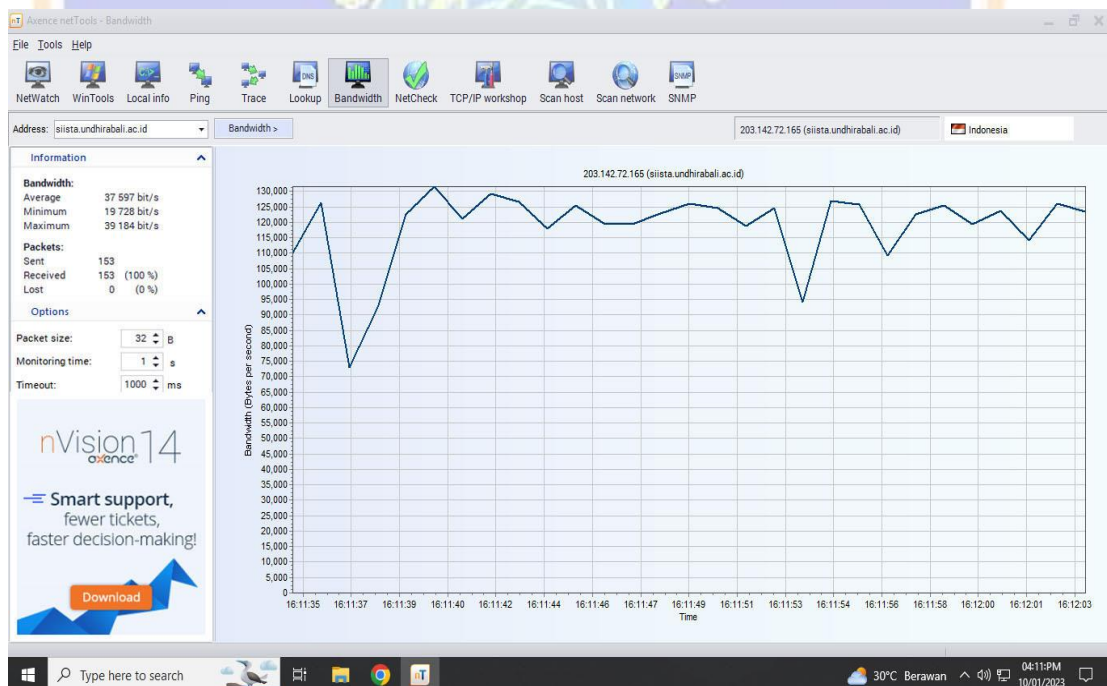
Pengukuran *Throughput* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))



- Pengukuran jam 16.00-20.00 wita



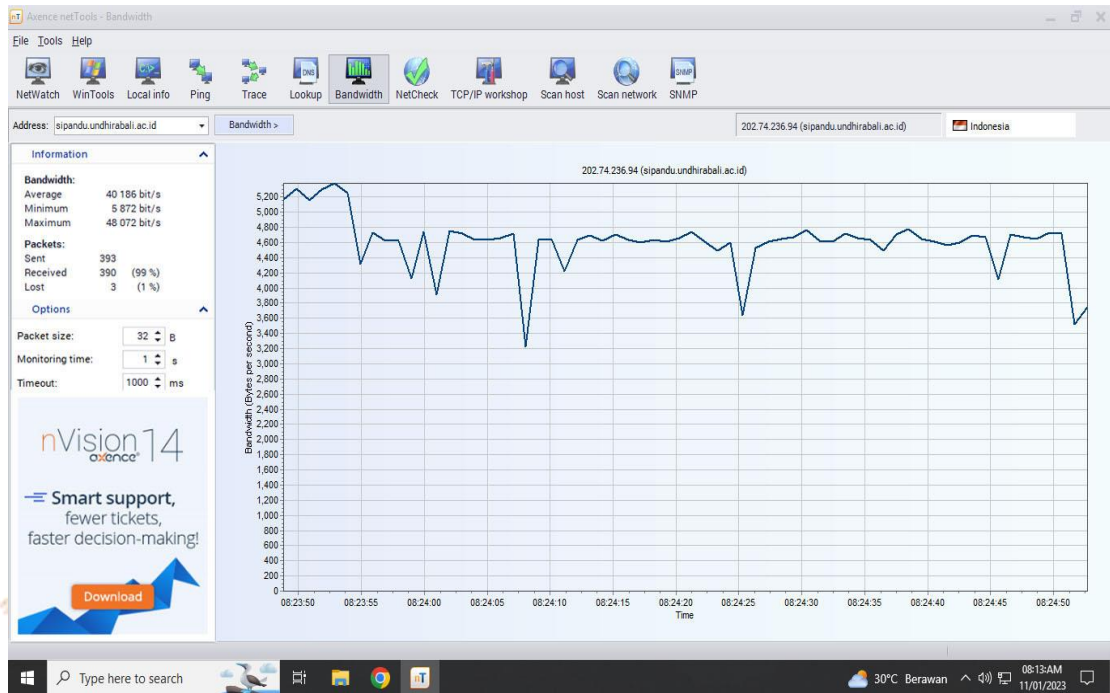
Pengukuran Throughput ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))



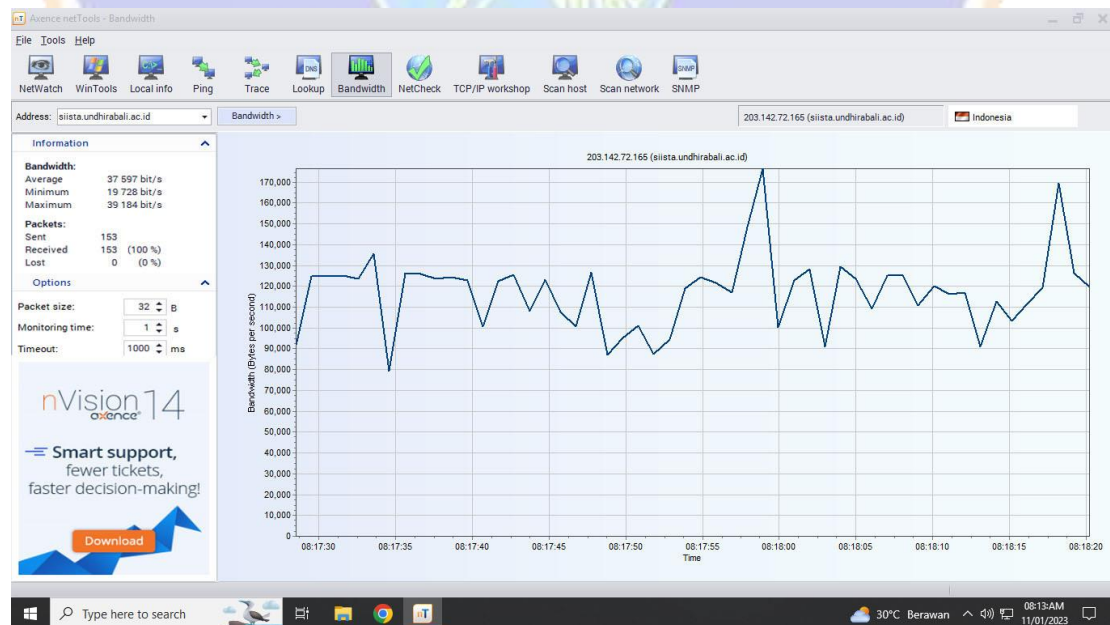
Pengukuran Throughput ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))

## Pengukuran tanggal 11 Januari 2023

- Pengukuran jam 08.00-12.00 wita

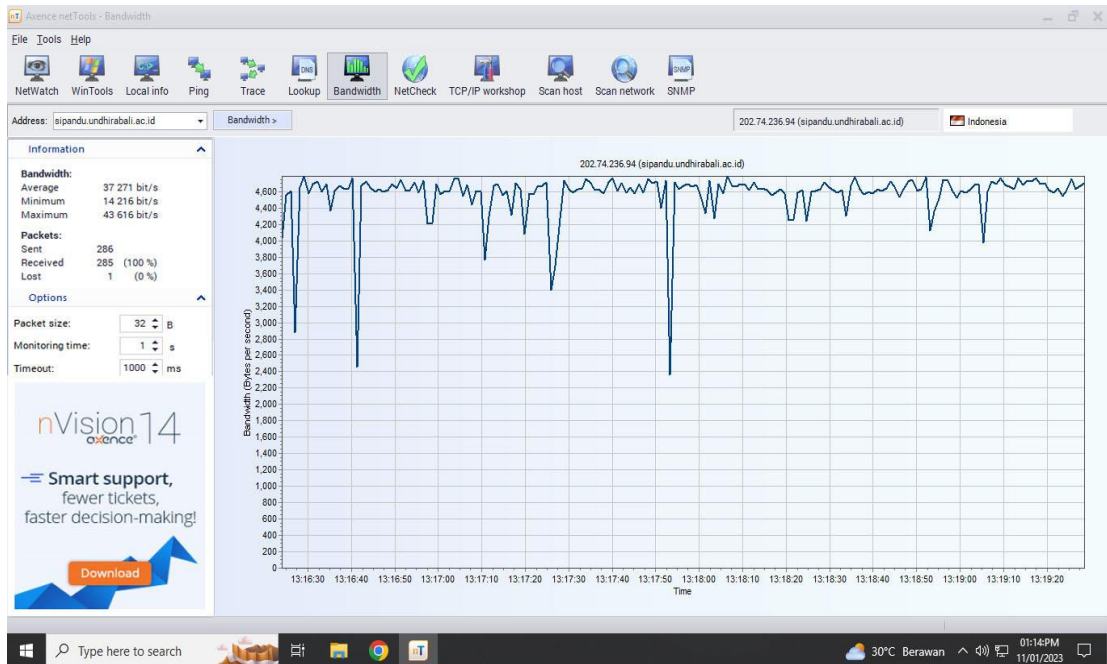


Pengukuran *Throughput* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))

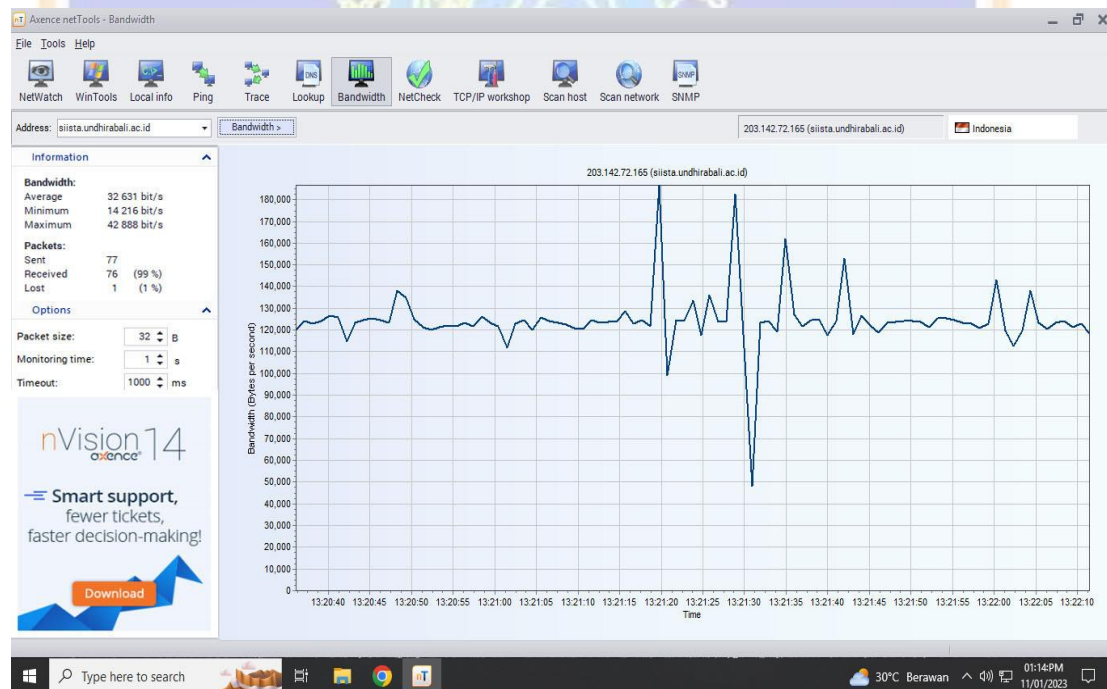


Pengukuran *Throughput* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))

- Pengukuran jam 13.00-16.00 wita

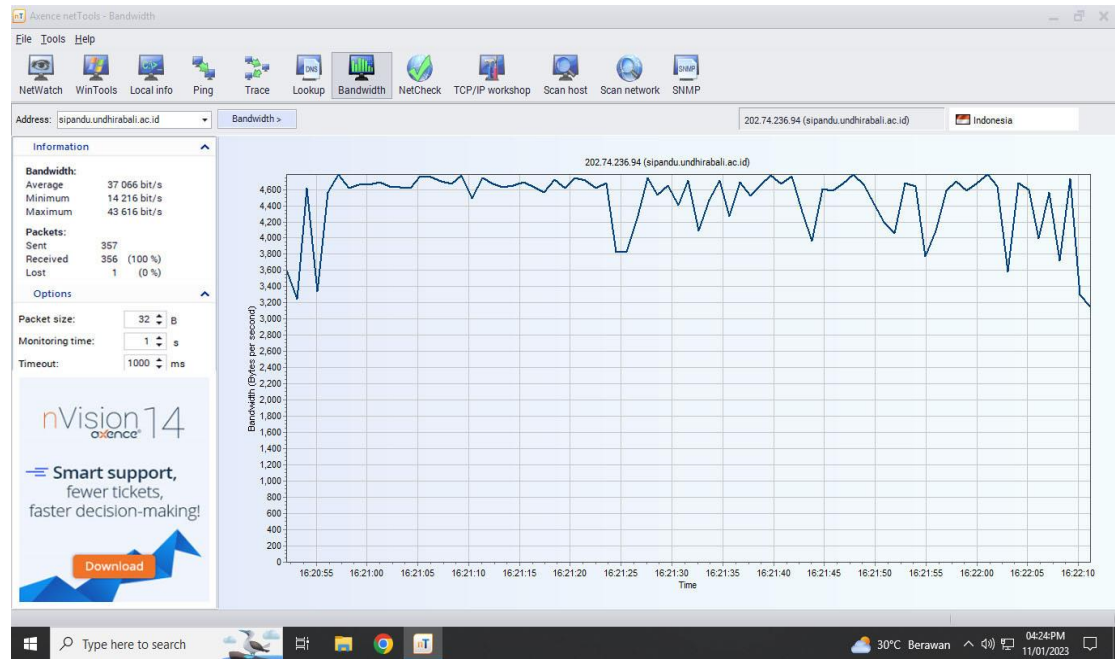


Pengukuran *Throughput* (www.sipandu.undhirabali.ac.id)

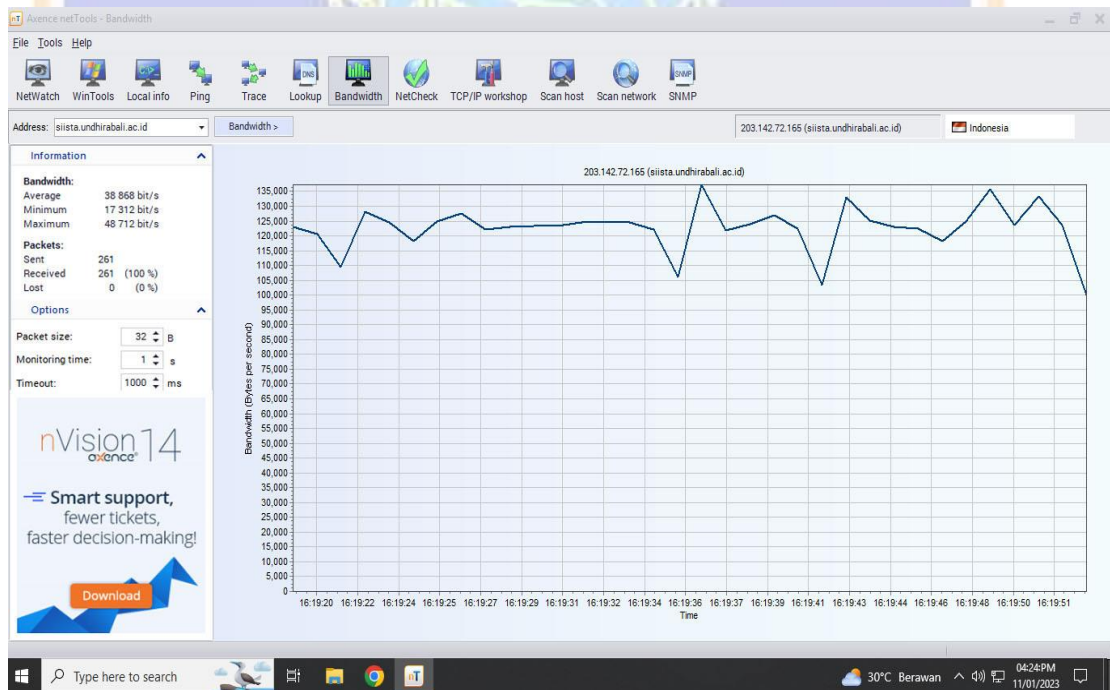


Pengukuran *Throughput* (www.siista.undhirabali.ac.id)

- Pengukuran jam 16.00-20.00 wita



Pengukuran *Throughput* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))



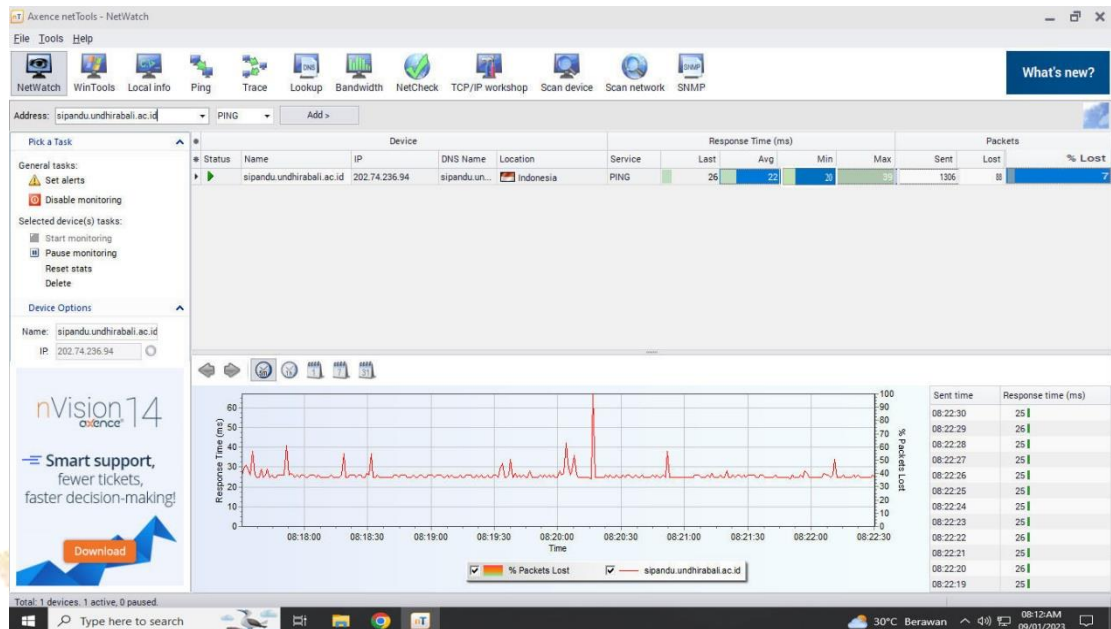
Pengukuran *Throughput* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))



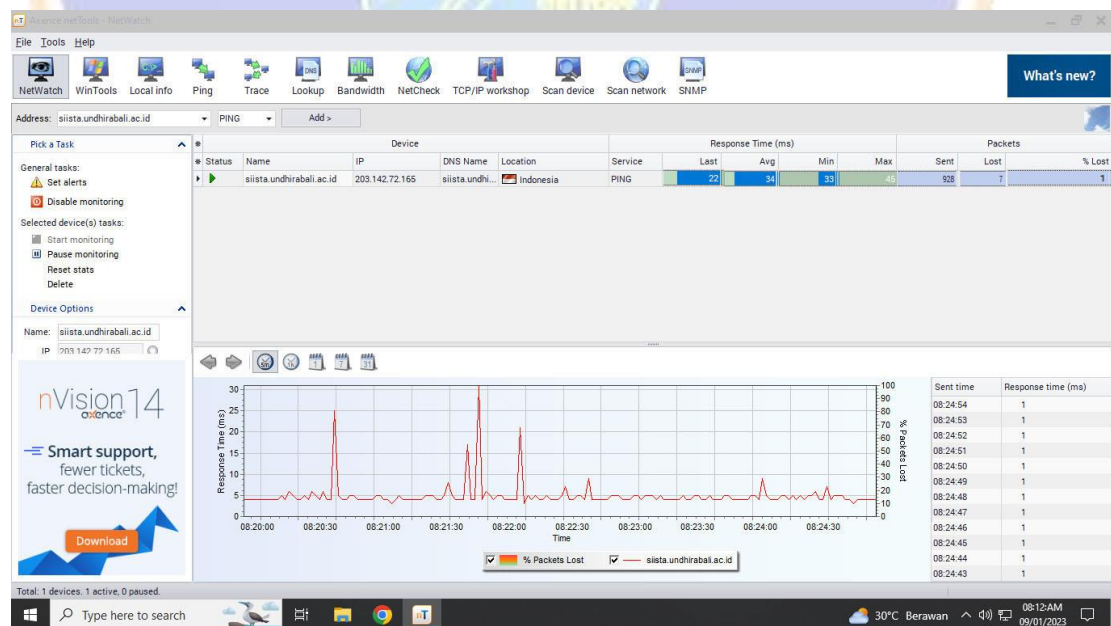
## Analisis Pengukuran Nilai Delay dan Packet Loss

Pengukuran tanggal 9 Januari 2023

- Pengukuran jam 08.00-12.00 wita

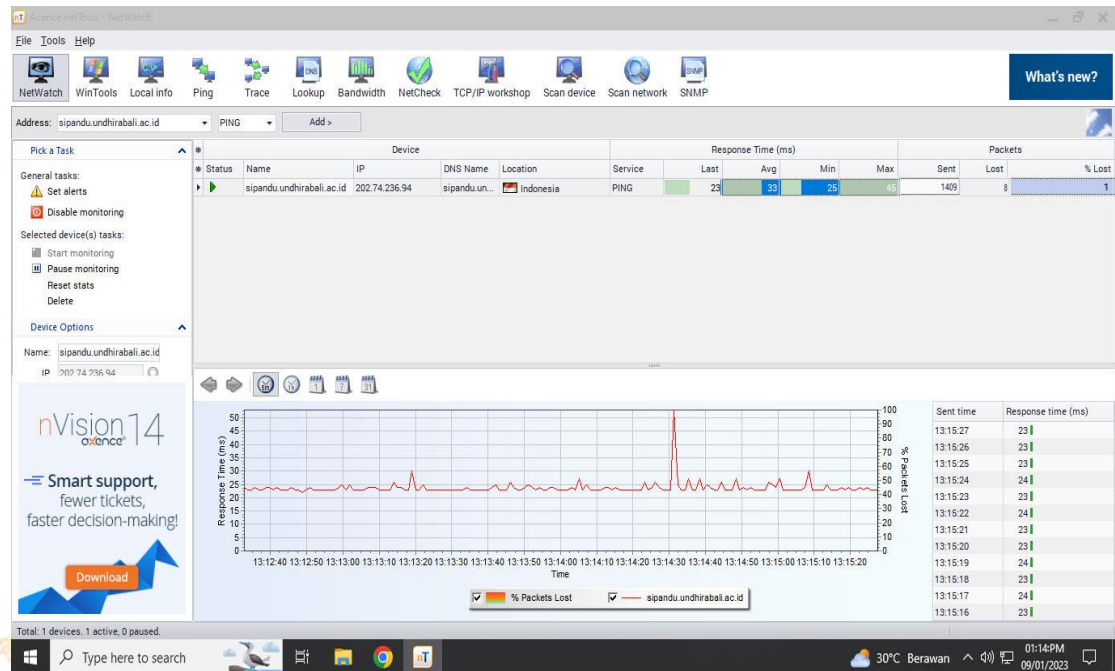


Pengukuran Delay dan Packet Loss (www.sipandu.undhirabali.ac.id)

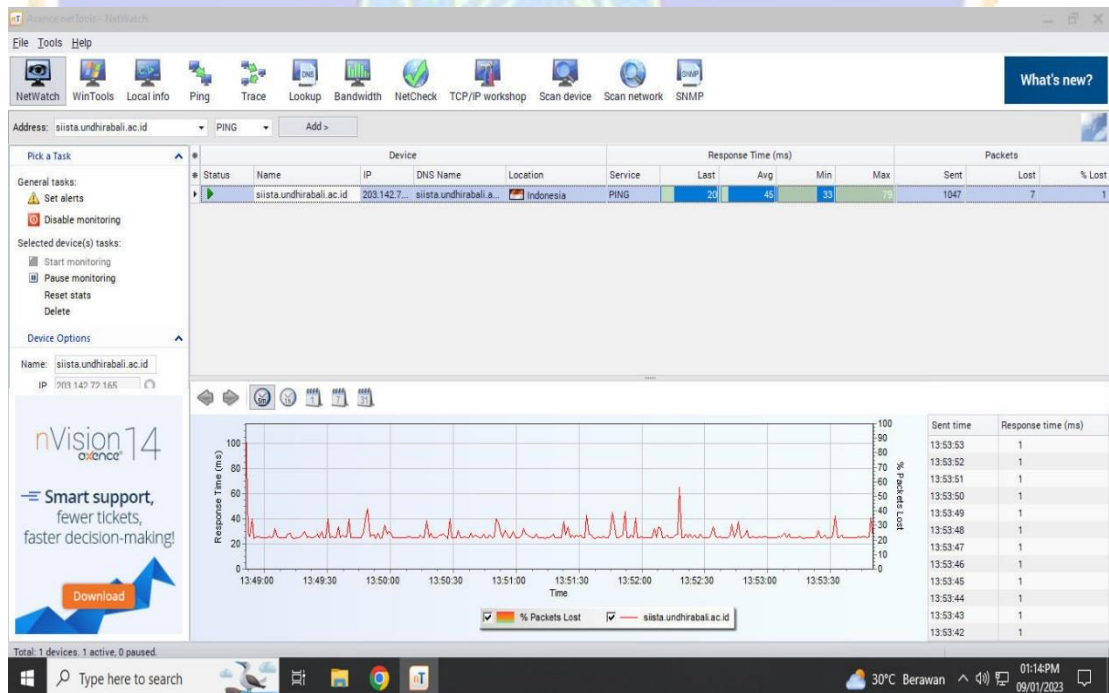


Pengukuran Delay dan Packet Loss (www.siista.undhirabali.ac.id)

- Pengukuran jam 13.00-16.00 wita

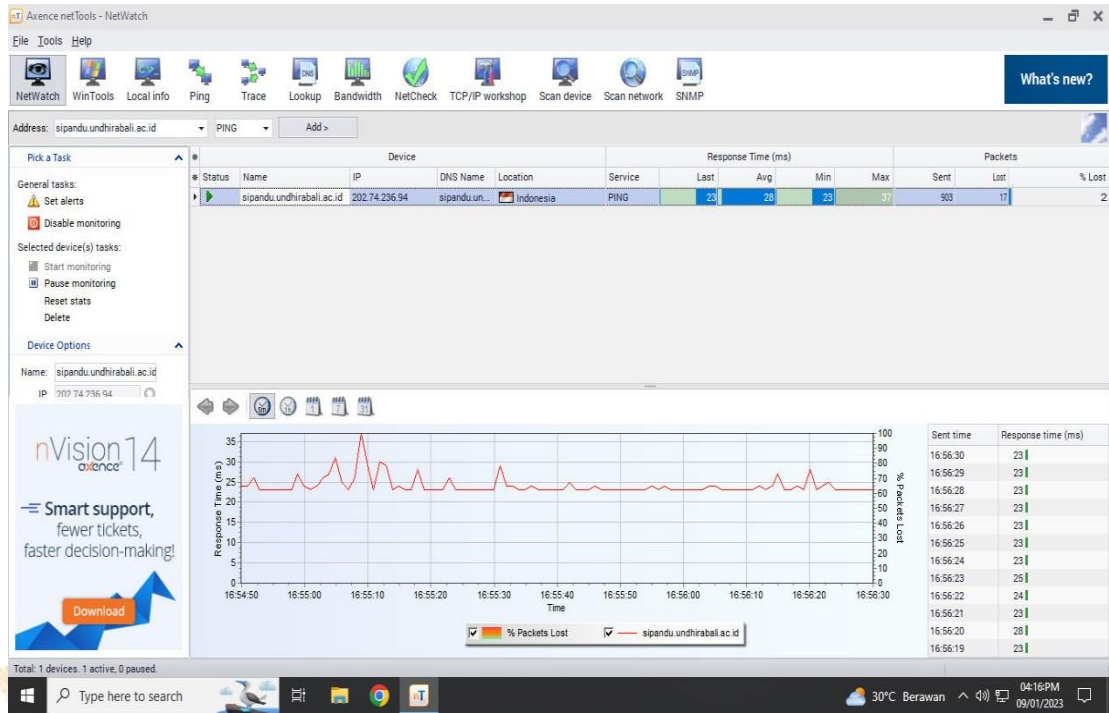


Pengukuran Delay dan Packet Loss (www.sipandu.undhirabali.ac.id)

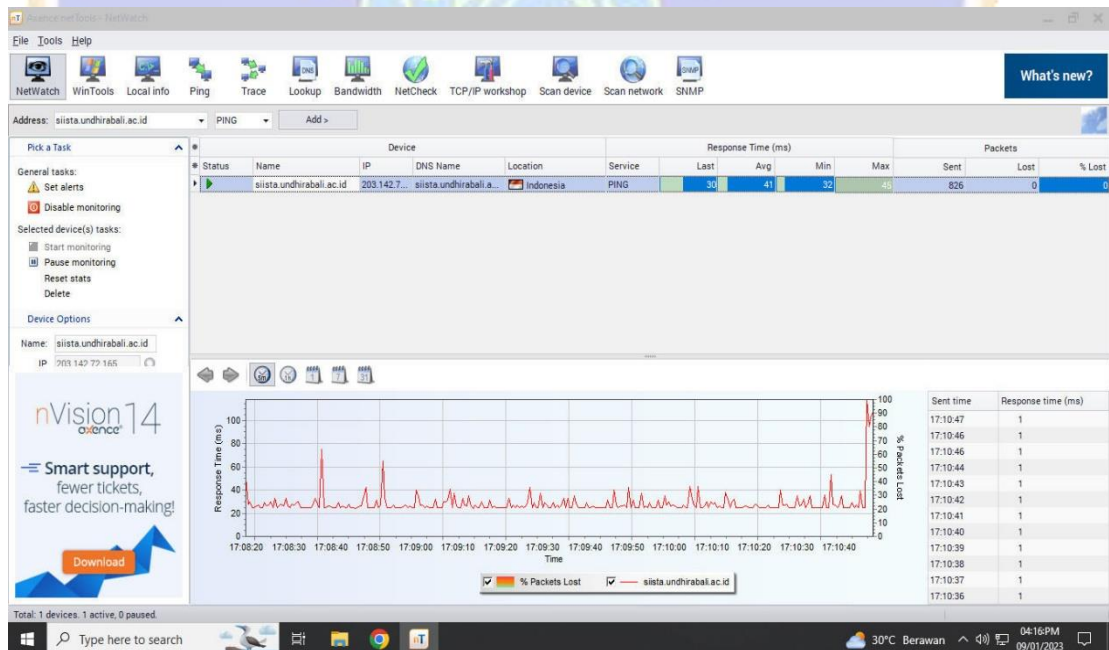


Pengukuran Delay dan Packet Loss (www.siista.undhirabali.ac.id)

- Pengukuran jam 16.00-20.00 wita



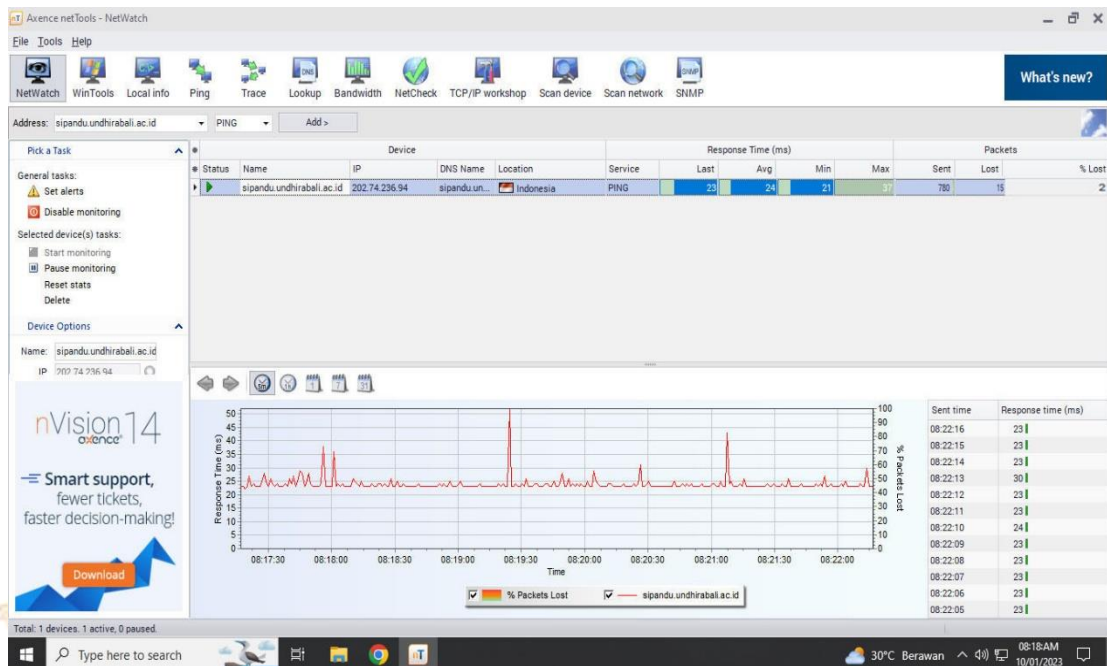
Pengukuran Delay dan Packet Loss (www.sipandu.undhirabali.ac.id)



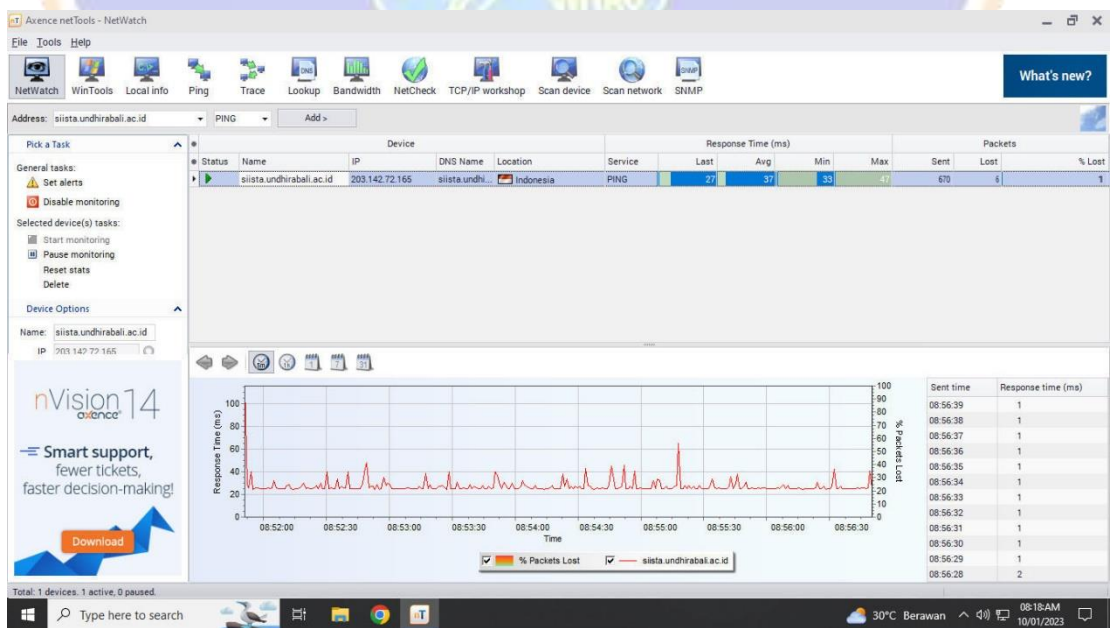
Pengukuran Delay dan Packet Loss (www.siista.undhirabali.ac.id)

## Pengukuran tanggal 10 Januari 2023

- Pengukuran jam 08.00-12.00 wita



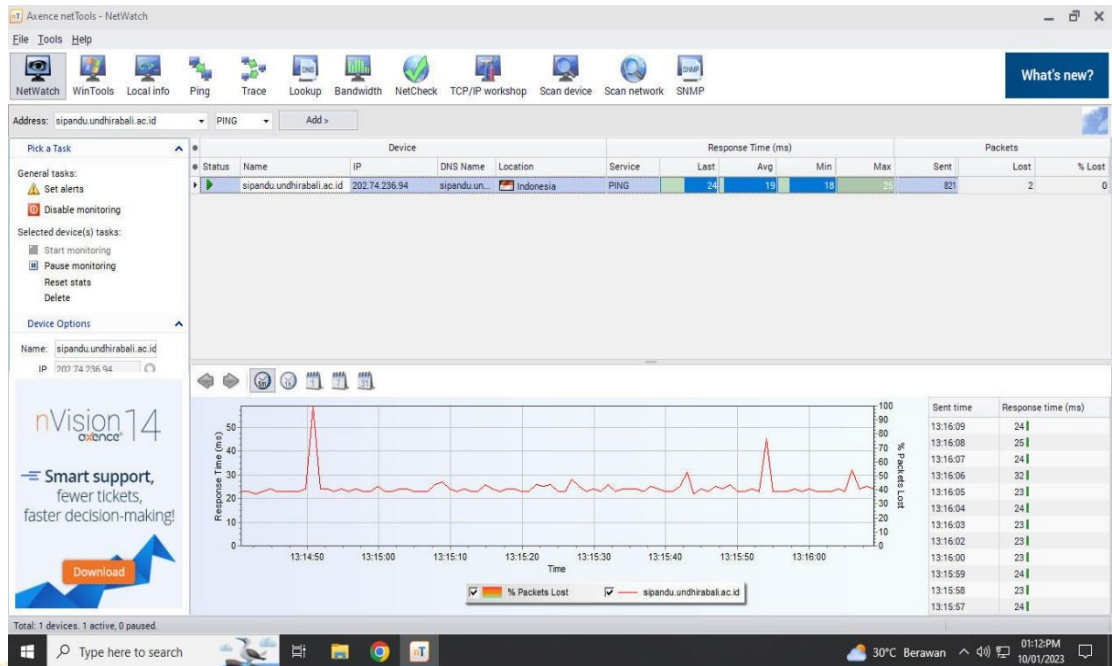
Pengukuran Delay dan Packet Loss (www.sipandu.undhirabali.ac.id)



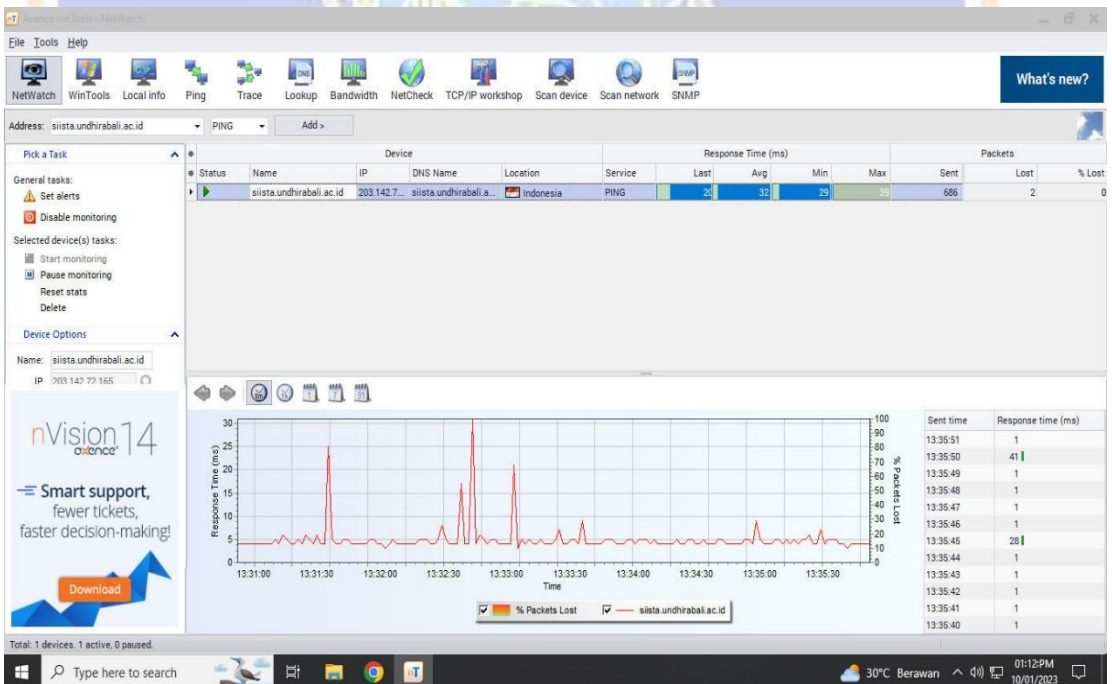
Pengukuran Delay dan Packet Loss (www.siista.undhirabali.ac.id)



- Pengukuran jam 13.00-16.00 wita

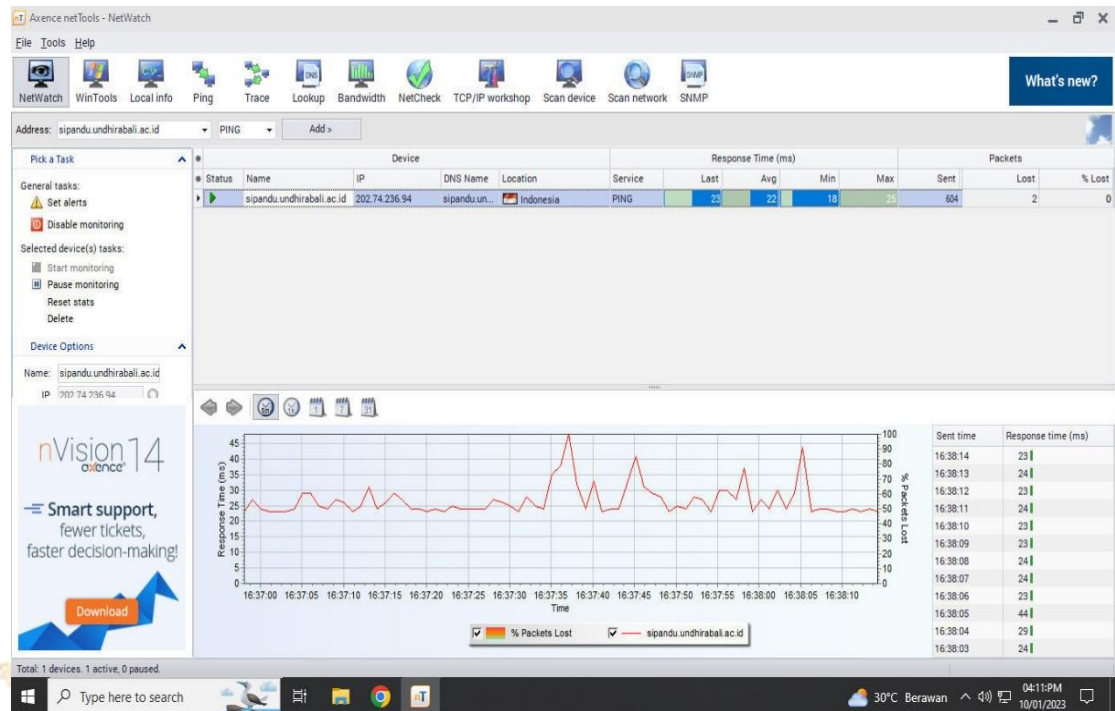


Pengukuran Delay dan Packet Loss (www.sipandu.undhirabali.ac.id)

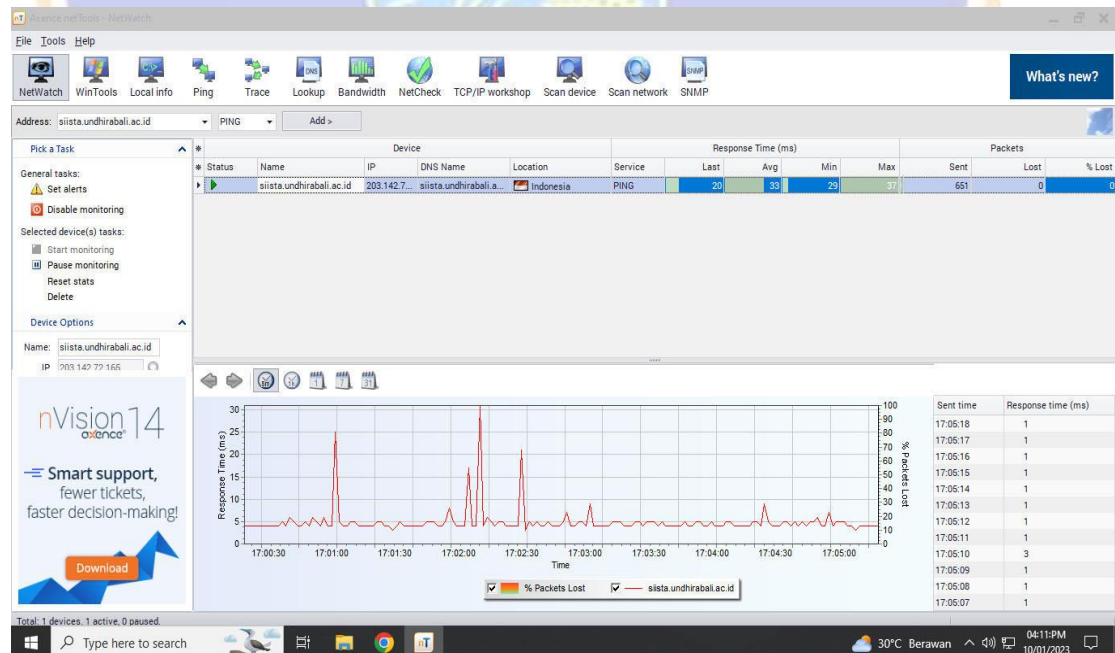


Pengukuran Delay dan Packet Loss (www.siista.undhirabali.ac.id)

- Pengukuran jam 16.00-20.00 wita



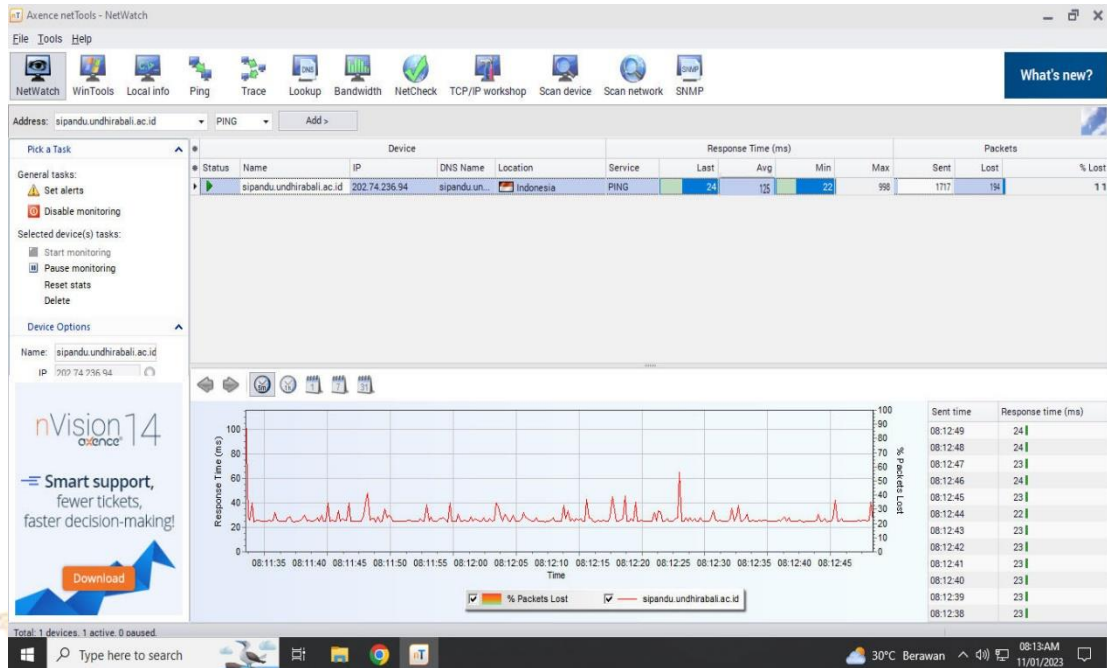
Pengukuran Delay dan Packet Loss (www.sipandu.undhirabali.ac.id)



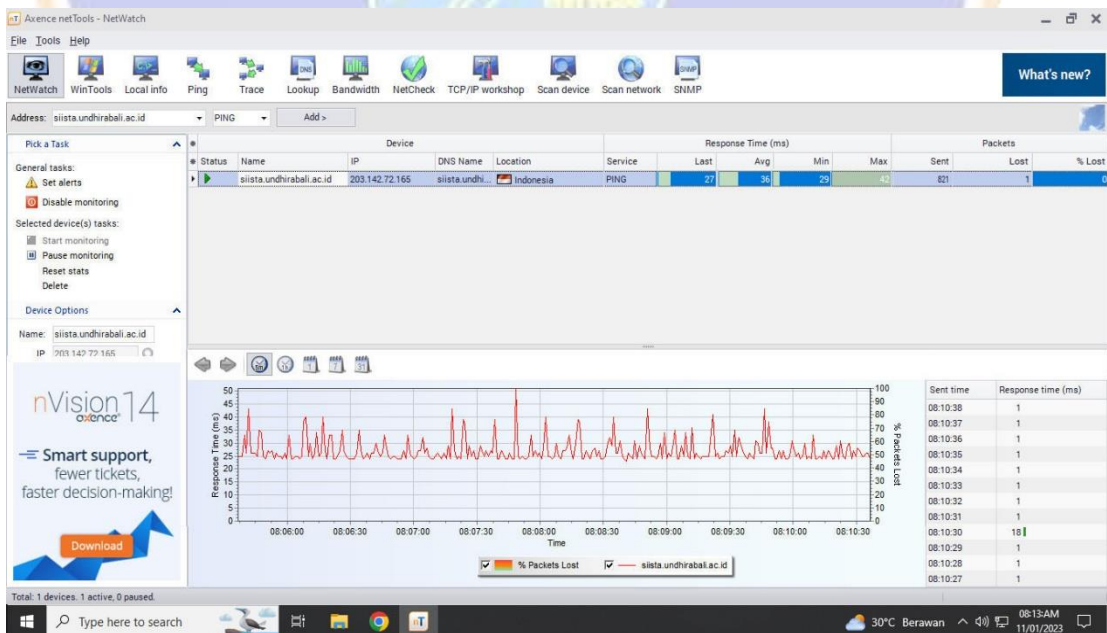
Pengukuran Delay dan Packet Loss (www.siista.undhirabali.ac.id)

## Pengukuran tanggal 11 Januari 2023

- Pengukuran jam 08.00-12.00 wita

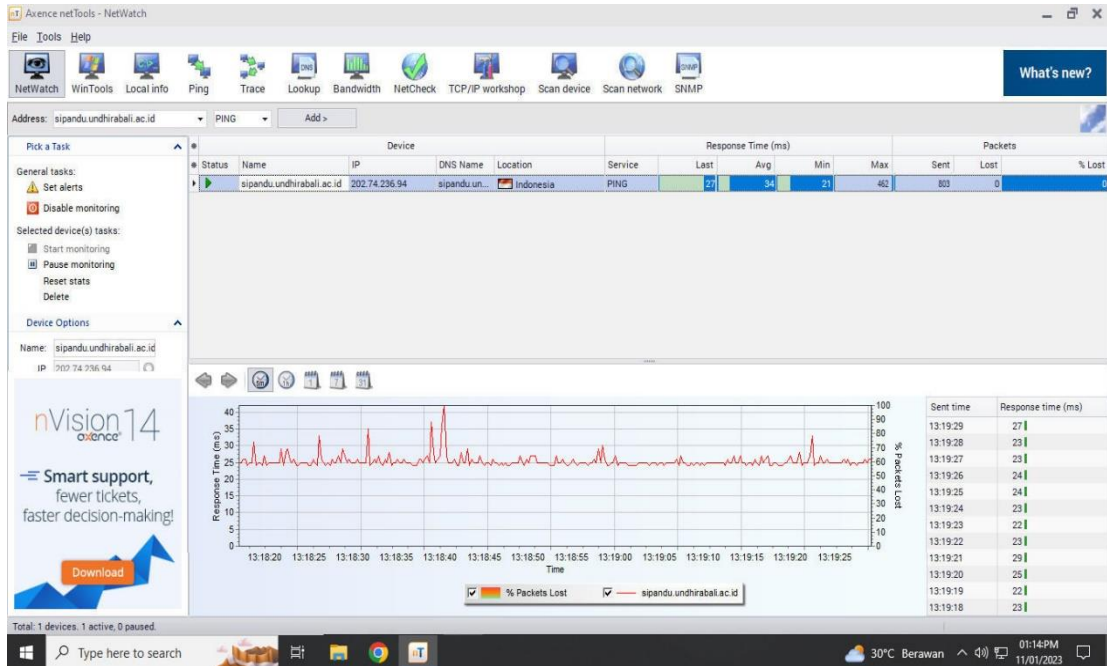


Pengukuran *Delay* dan *Packet Loss* (www.sipandu.undhirabali.ac.id)

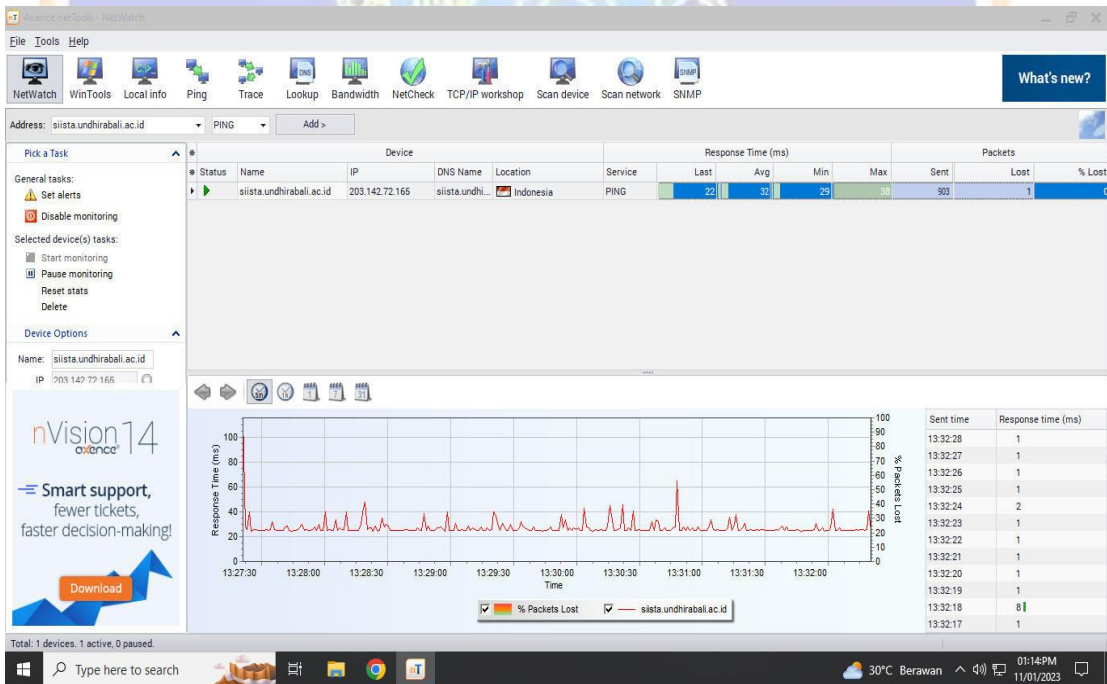


Pengukuran *Delay* dan *Packet Loss* (www.siista.undhirabali.ac.id)

- Pengukuran jam 13.00-16.00 wita



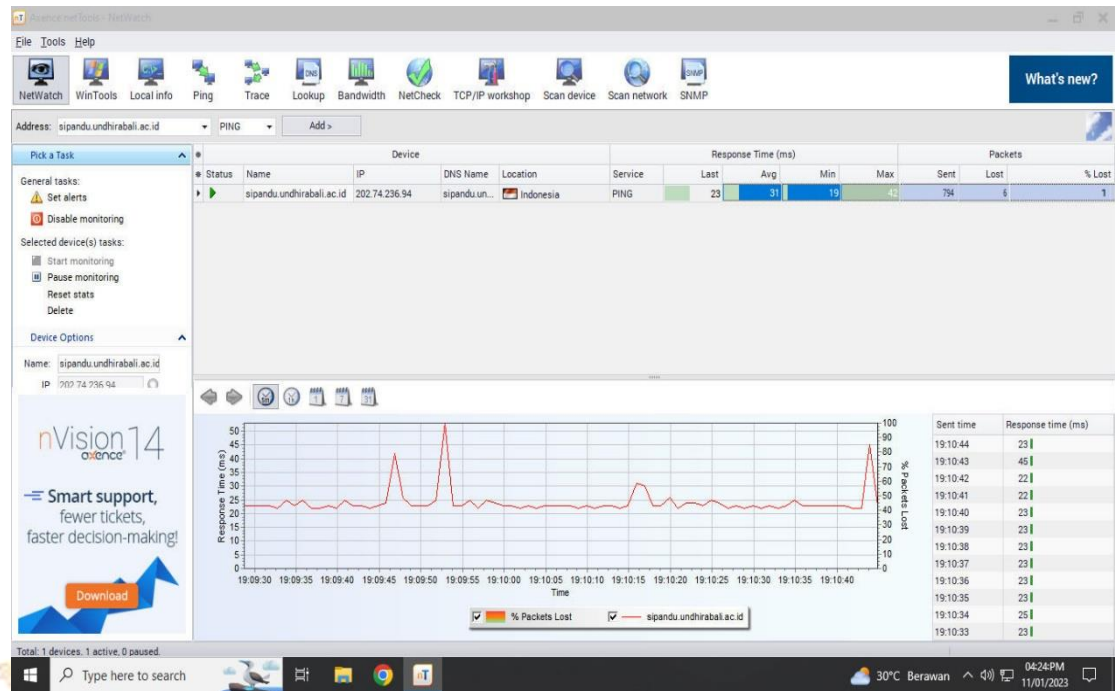
Pengukuran Delay dan Packet Loss (www.sipandu.undhirabali.ac.id)



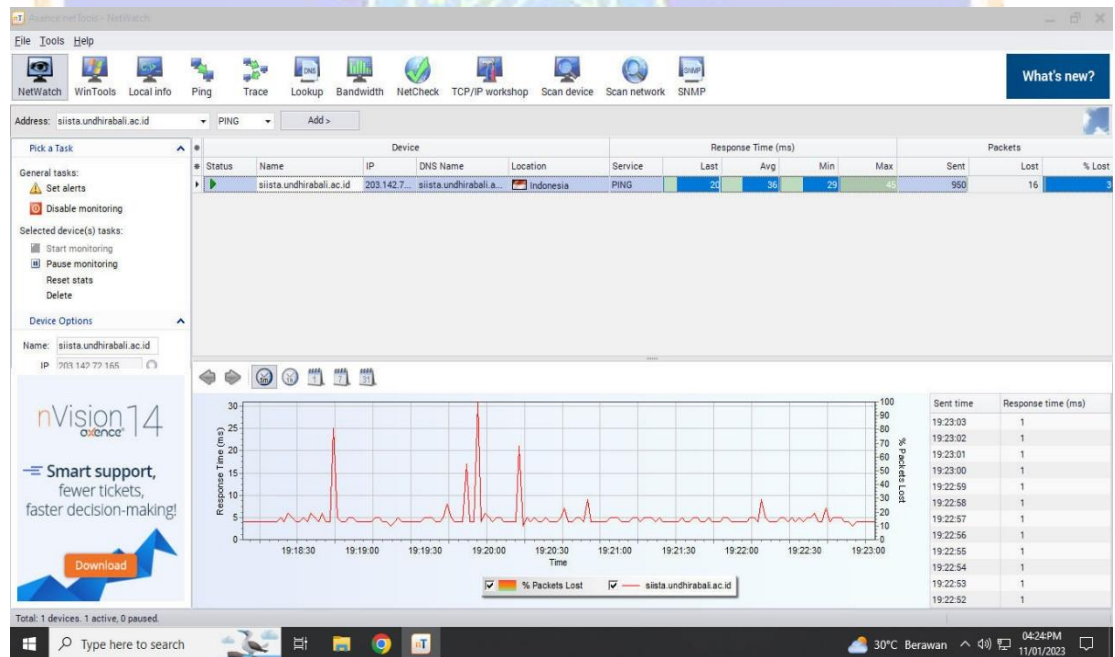
Pengukuran Delay dan Packet Loss (www.siista.undhirabali.ac.id)



- Pengukuran jam 16.00-20.00 wita



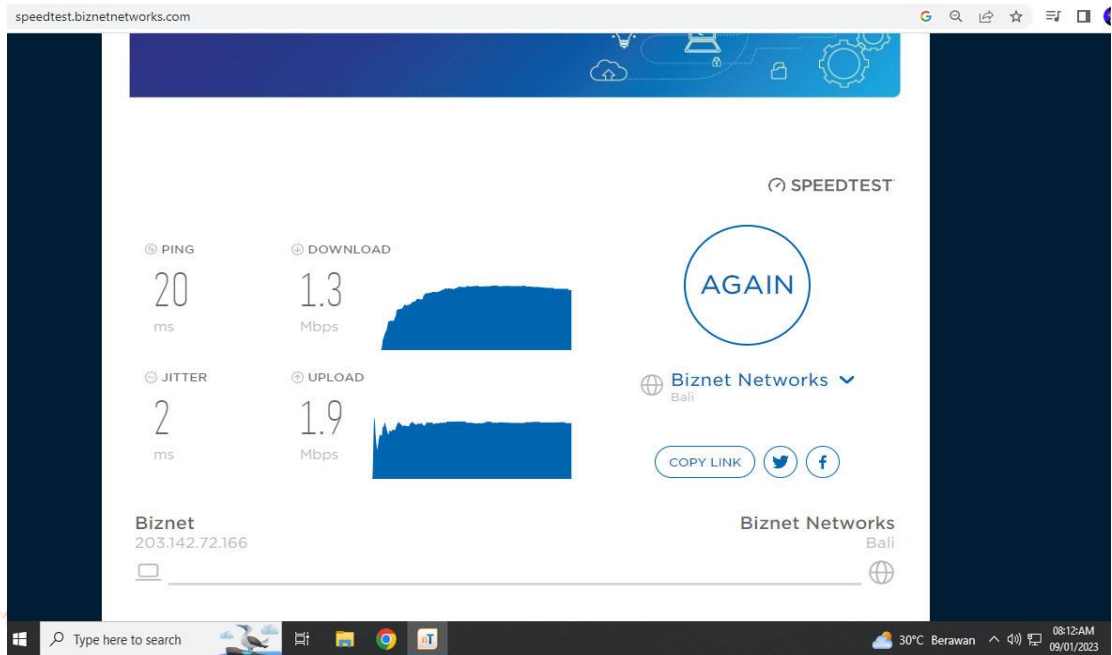
Pengukuran Delay dan Packet Loss (www.sipandu.undhirabali.ac.id)



Pengukuran Delay dan Packet Loss (www.siista.undhirabali.ac.id)

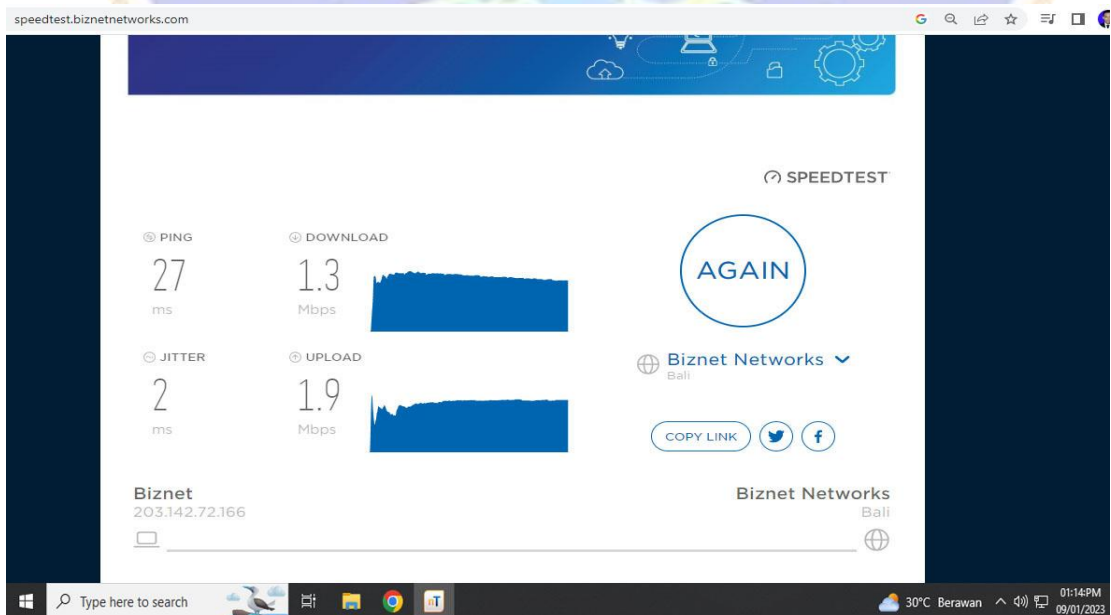
## Pengukuran *Jitter* tanggal 9 Januari 2023

- Pengukuran jam 08.00-12.00 wita



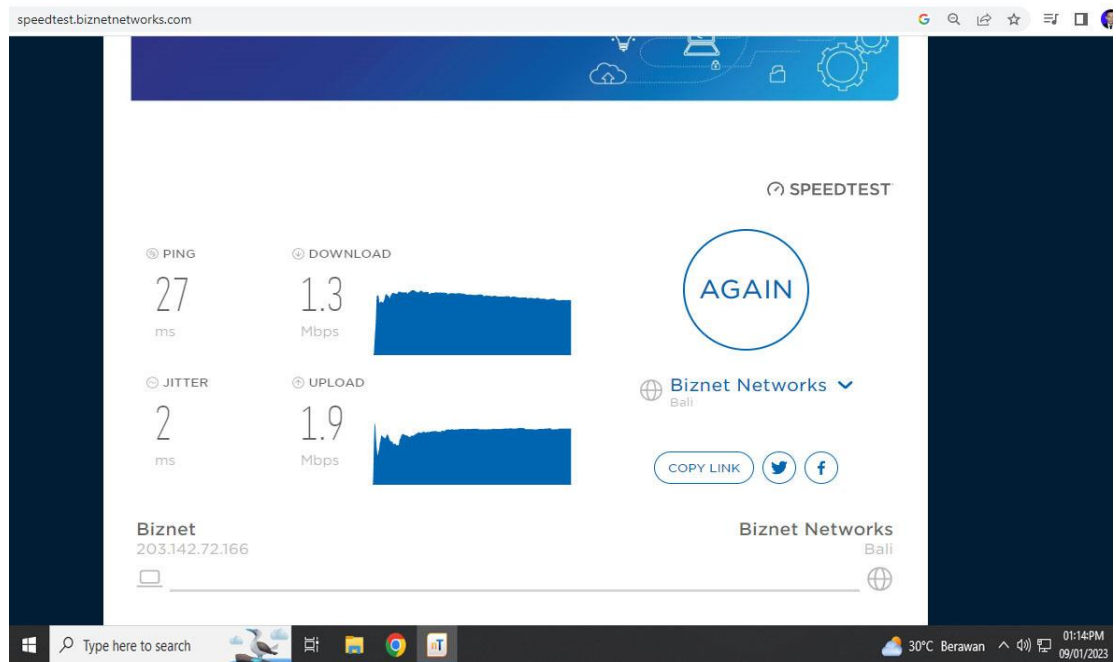
## Pengukuran *Jitter*

- Pengukuran jam 13.00-16.00 wita



## Pengukuran *Jitter*

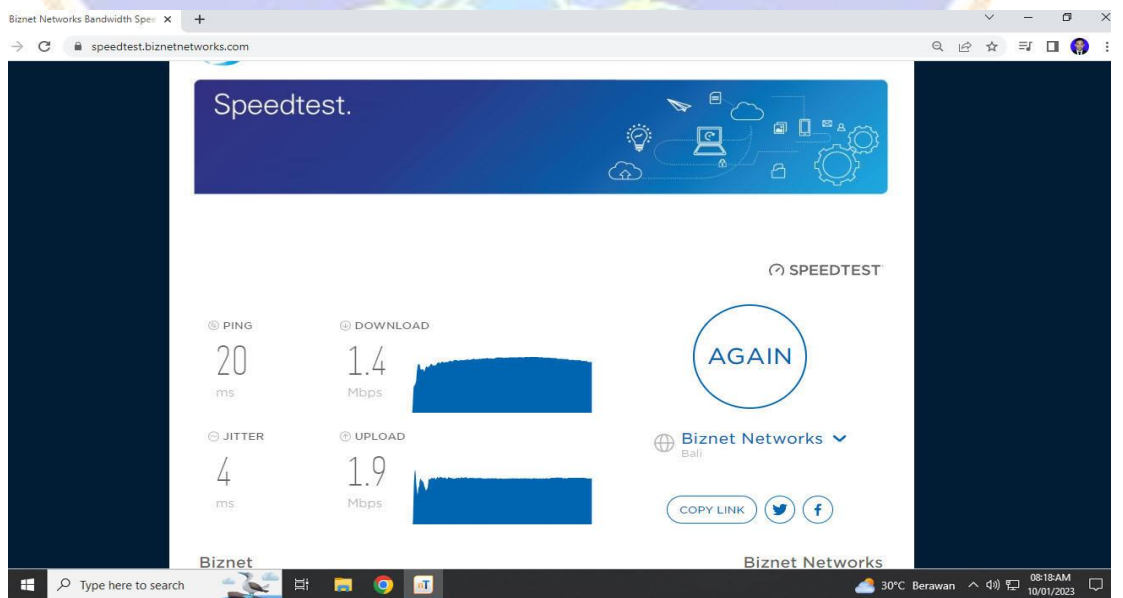
- Pengukuran jam 16.00-20.00 wita



### Pengukuran *Jitter*

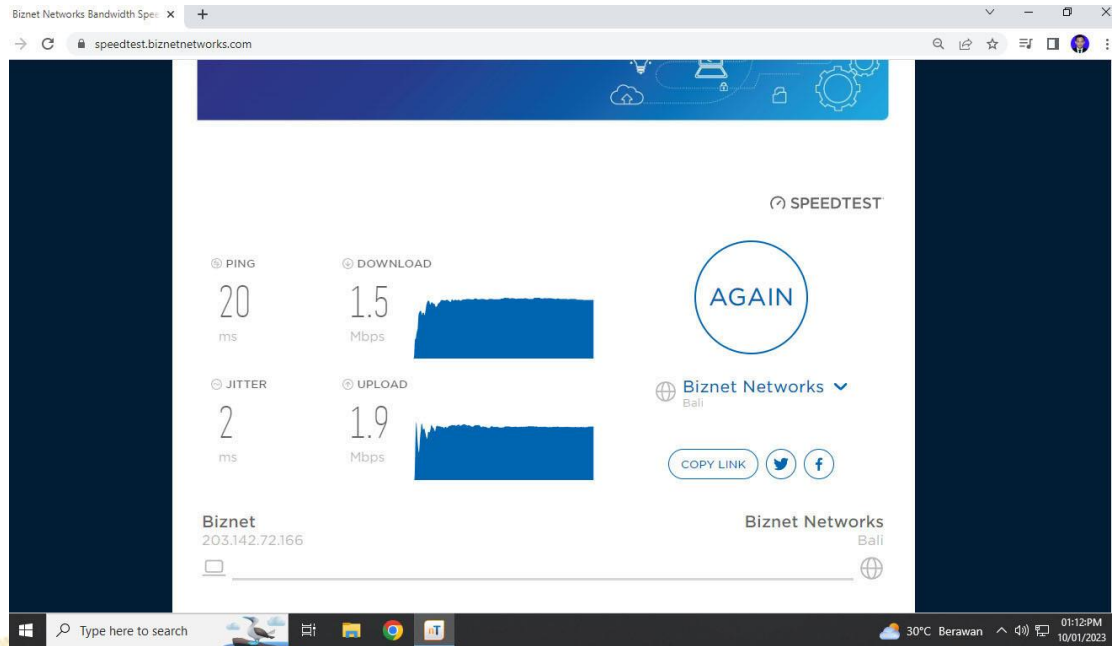
Pengukuran *Jitter* tanggal 10 Januari 2023

- Pengukuran jam 08.00-12.00 wita



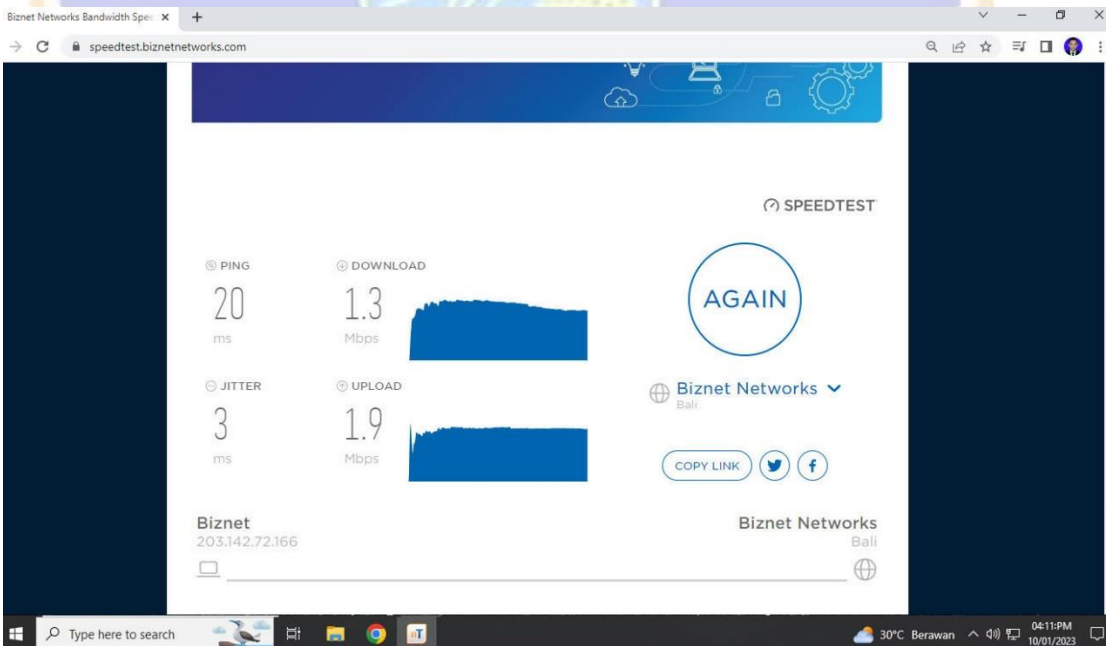
### Pengukuran *Jitter*

- Pengukuran jam 13.00-16.00 wita



### Pengukuran Jitter

- Pengukuran jam 16.00-20.00 wita

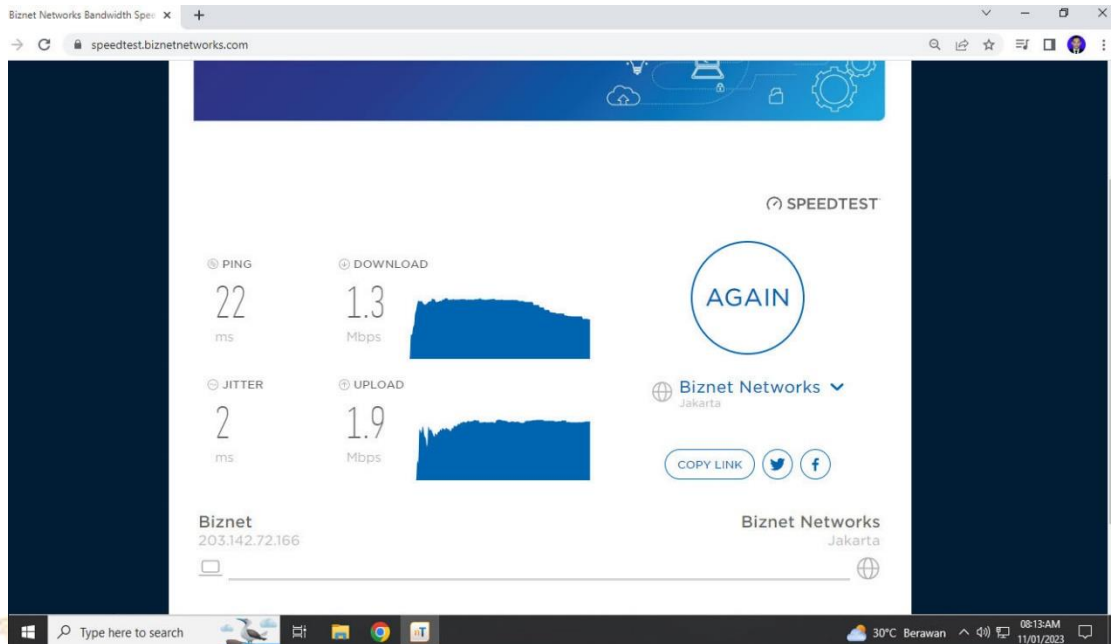


### Pengukuran Jitter



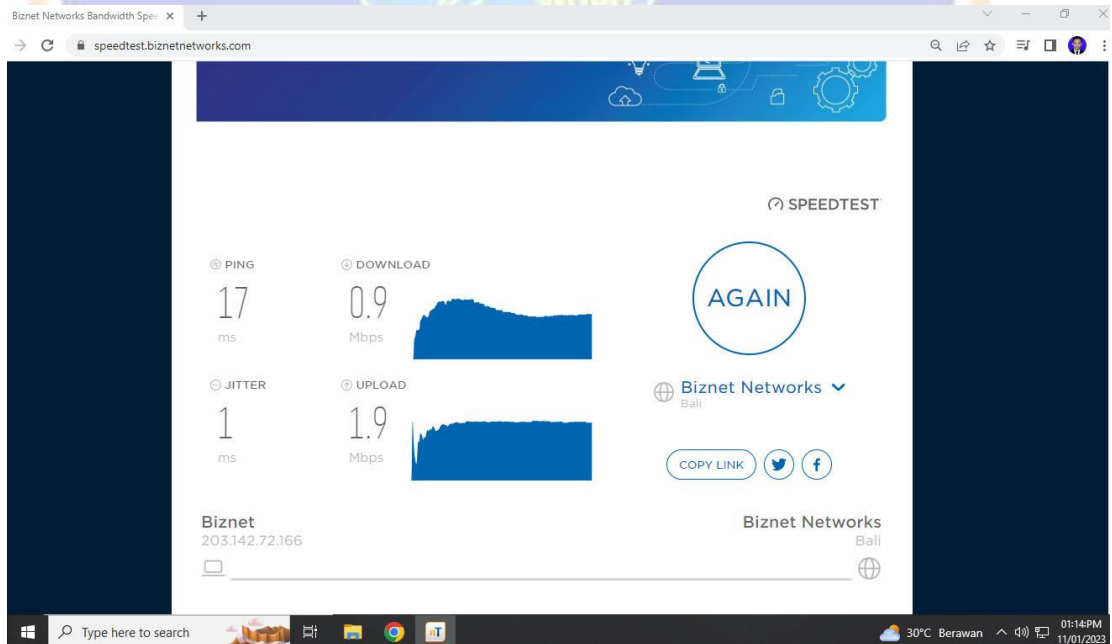
## Pengukuran *Jitter* tanggal 11 Januari 2023

- Pengukuran jam 08.00-12.00 wita



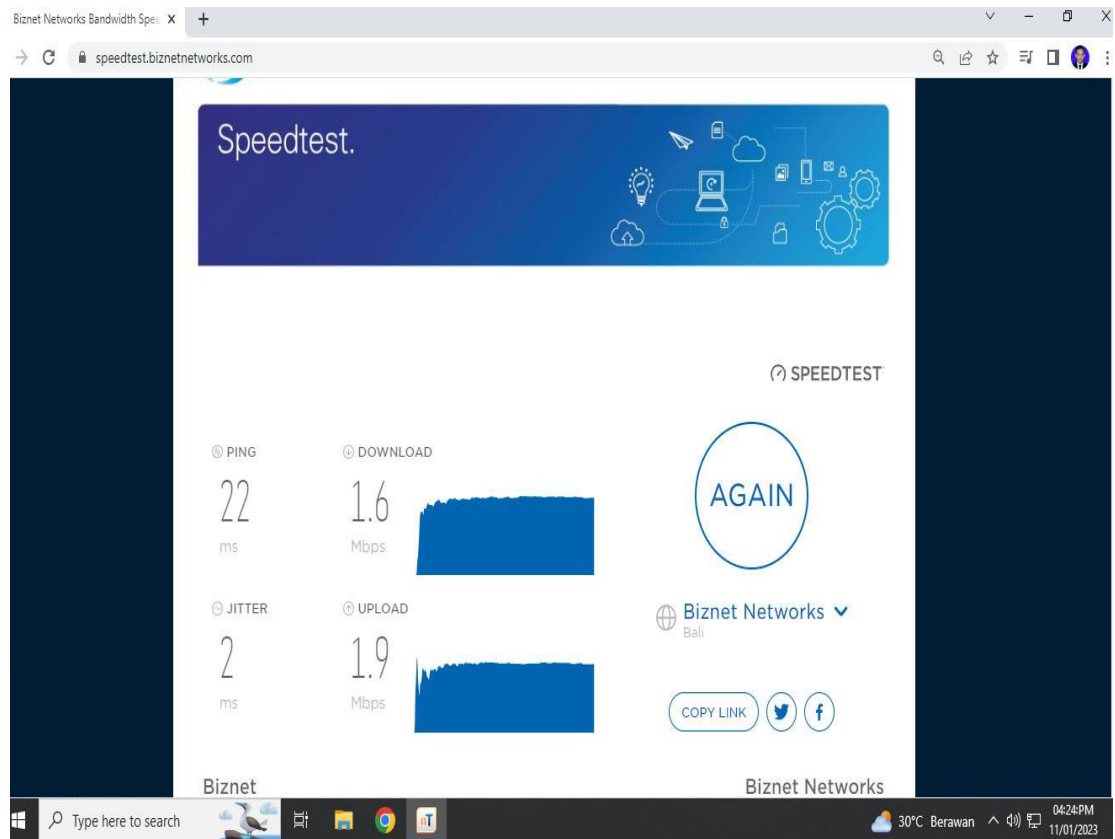
## Pengukuran *Jitter*

- Pengukuran jam 13.00-16.00 wita



## Pengukuran *Jitter*

- Pengukuran jam 16.00-20.00 wita



Pengukuran *Jitter*

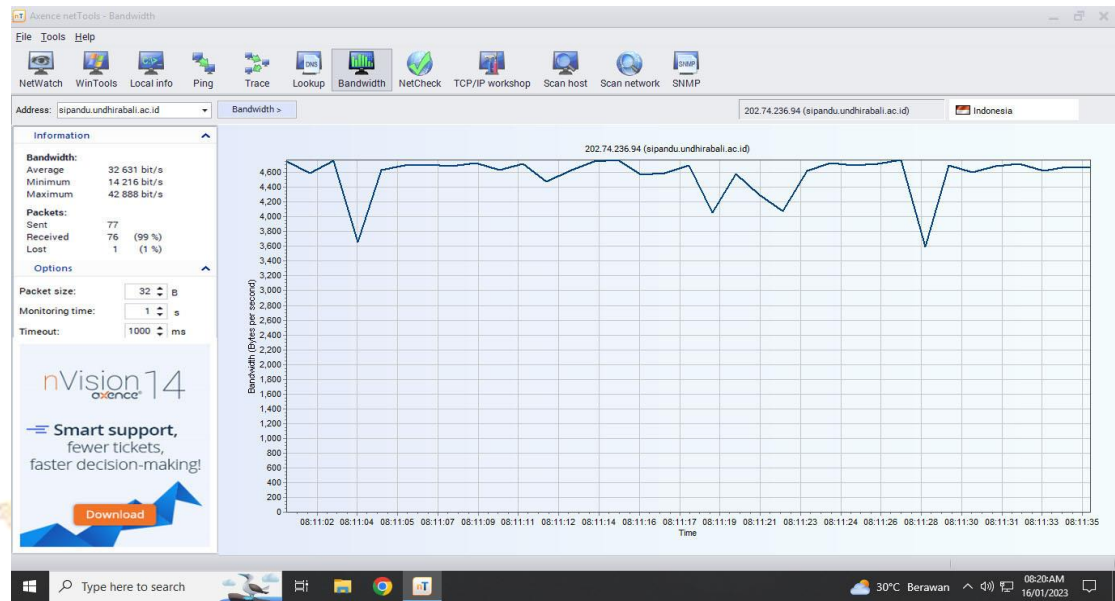


### Lampiran 3 Pengukuran Metode PCQ

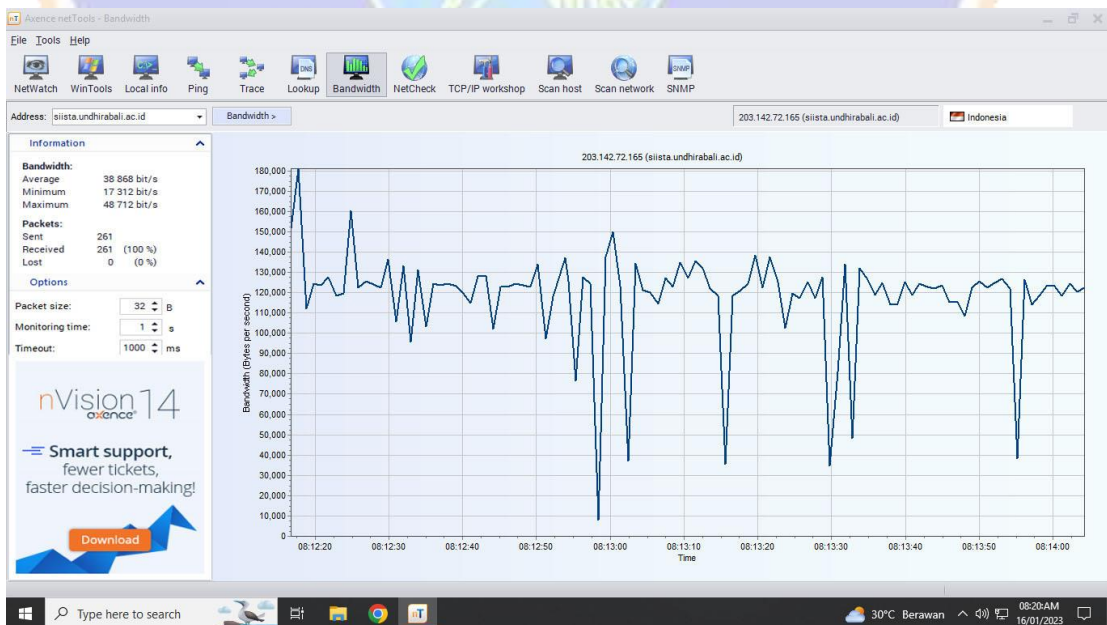
## Analisis Pengukuran Nilai *Throughput*

Pengukuran tanggal 16 Januari 2023

- Pengukuran jam 08.00-12.00 wita

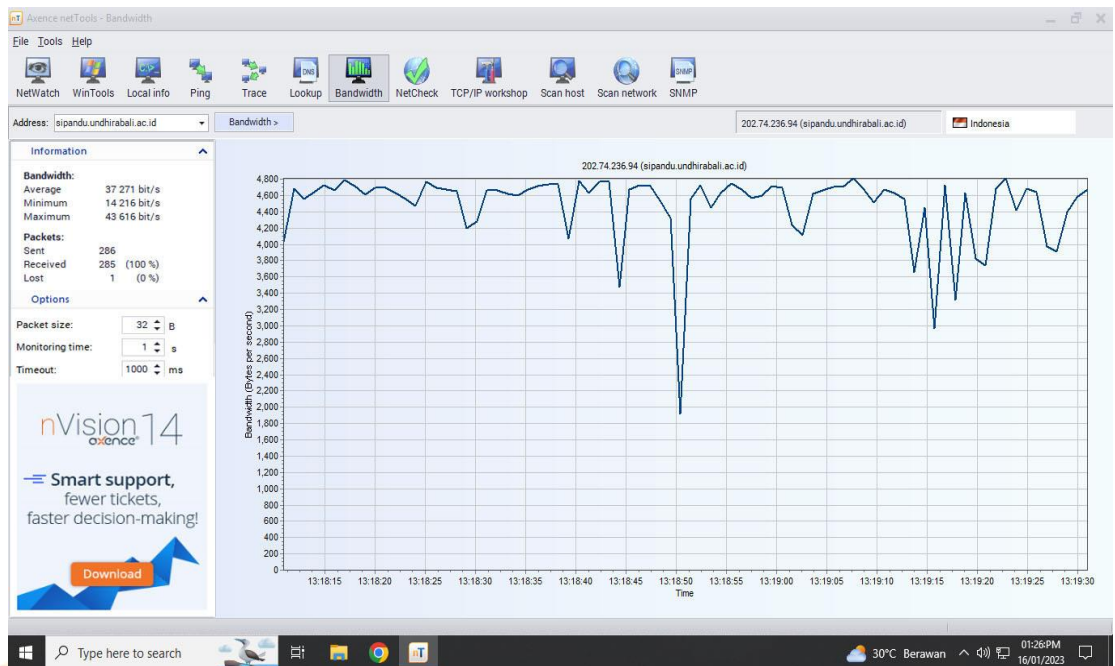


Pengukuran *Throughput* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))

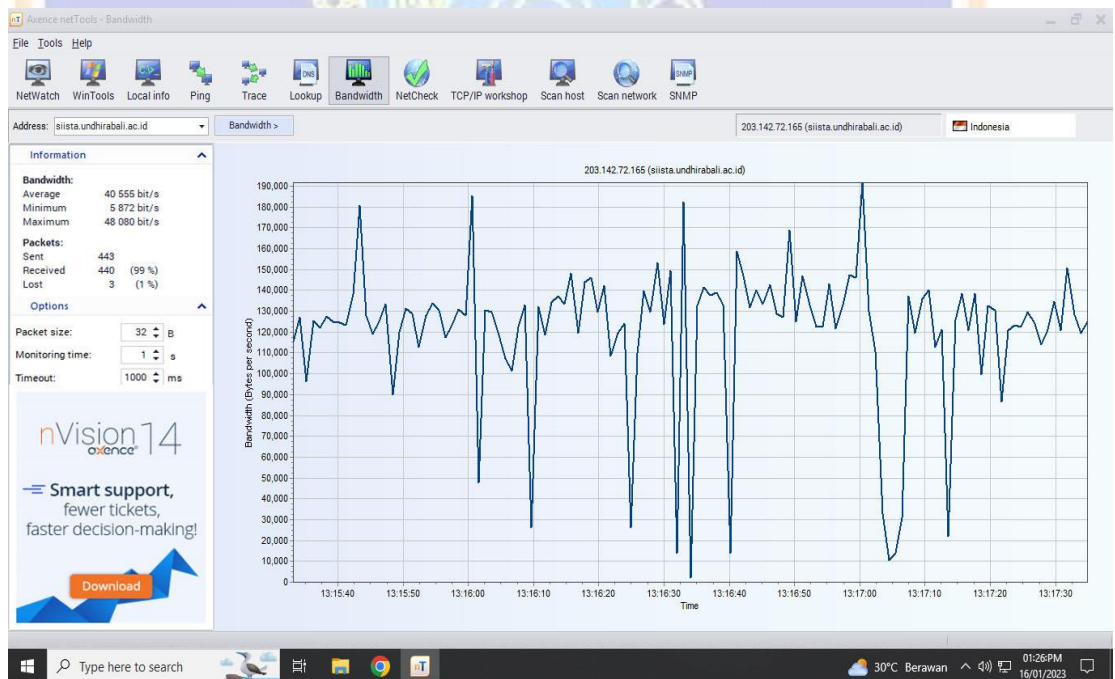


Pengukuran *Throughput* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))

- Pengukuran jam 13.00-16.00 wita



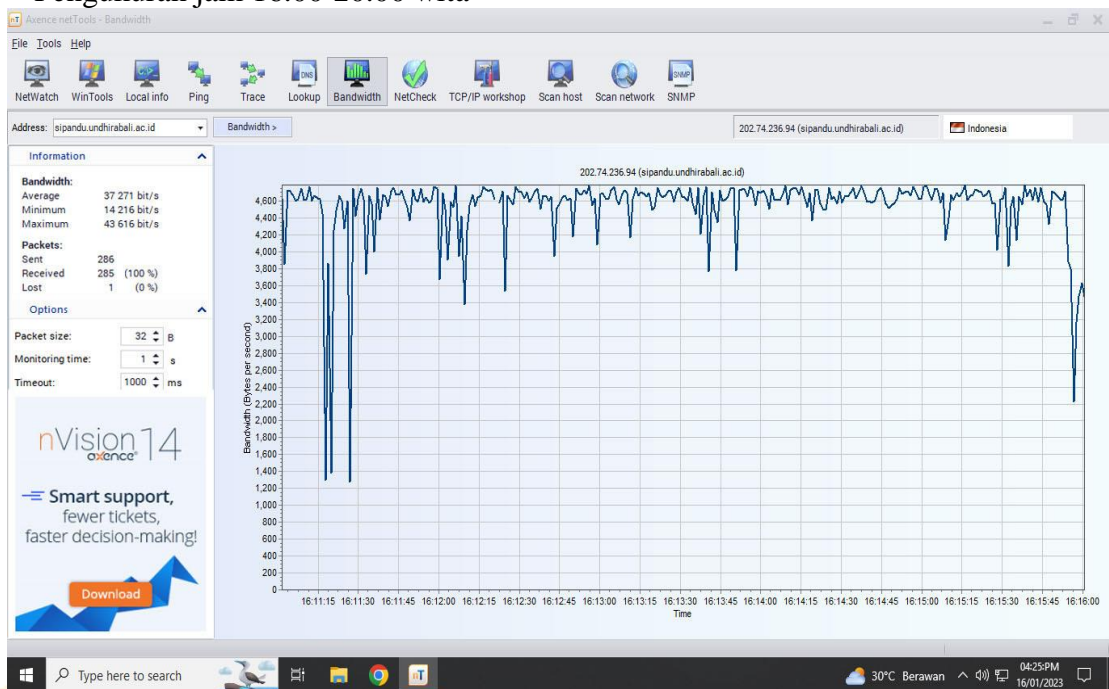
Pengukuran *Throughput* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))



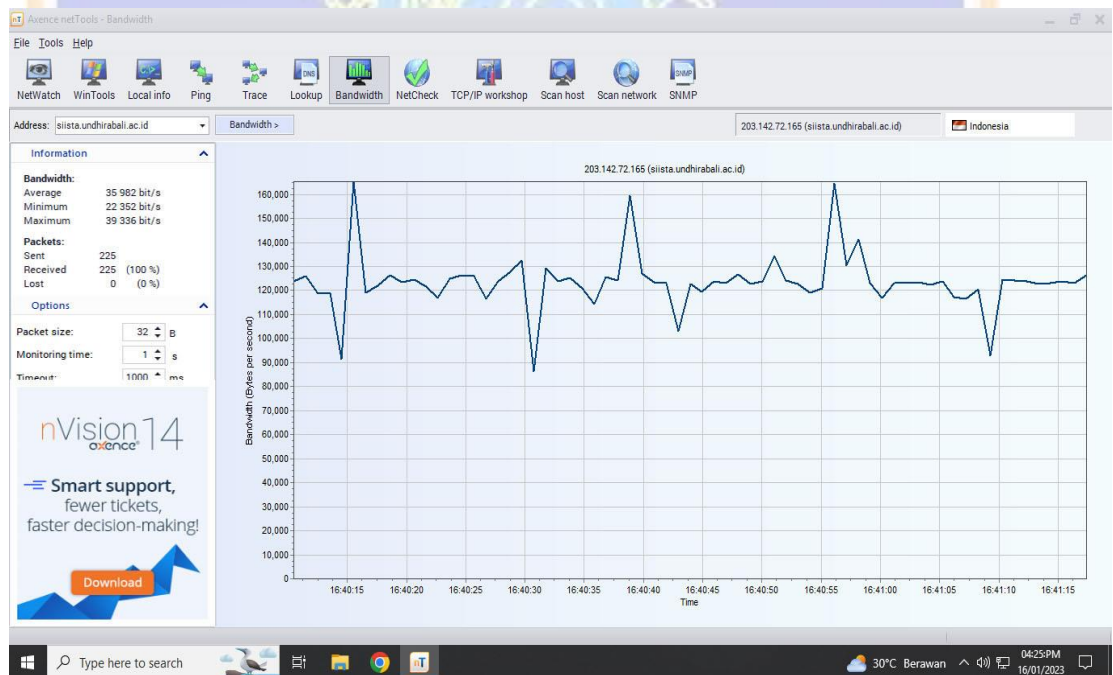
Pengukuran *Throughput* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))



- Pengukuran jam 16.00-20.00 wita



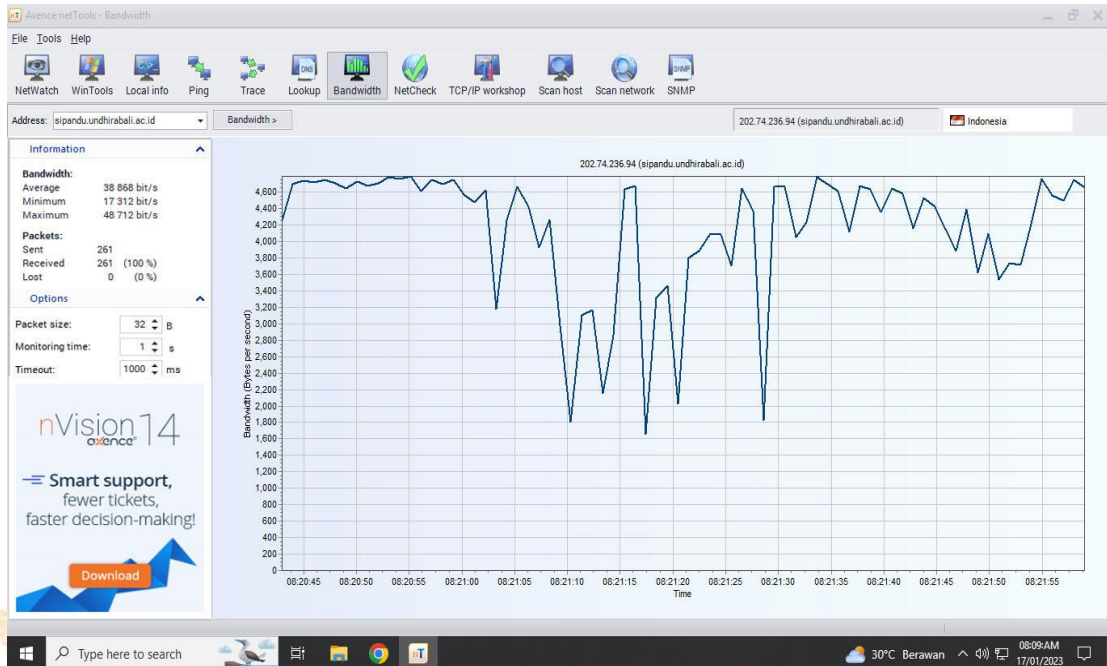
Pengukuran *Throughput* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))



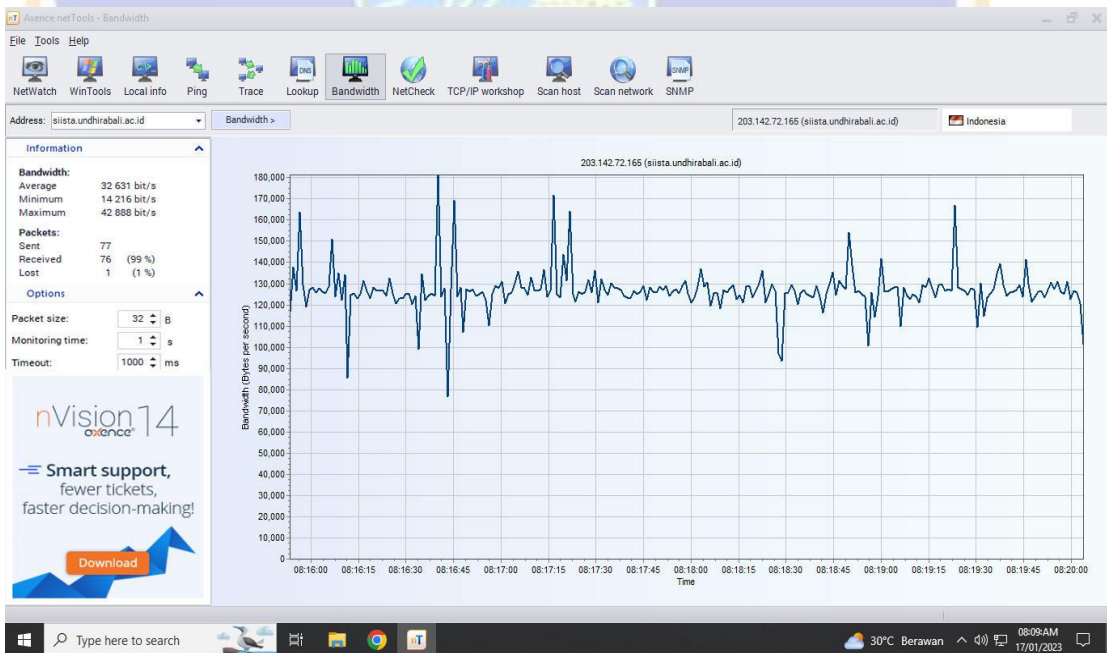
Pengukuran *Throughput* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))

## Pengukuran tanggal 17 Januari 2023

- Pengukuran jam 08.00-12.00 wita

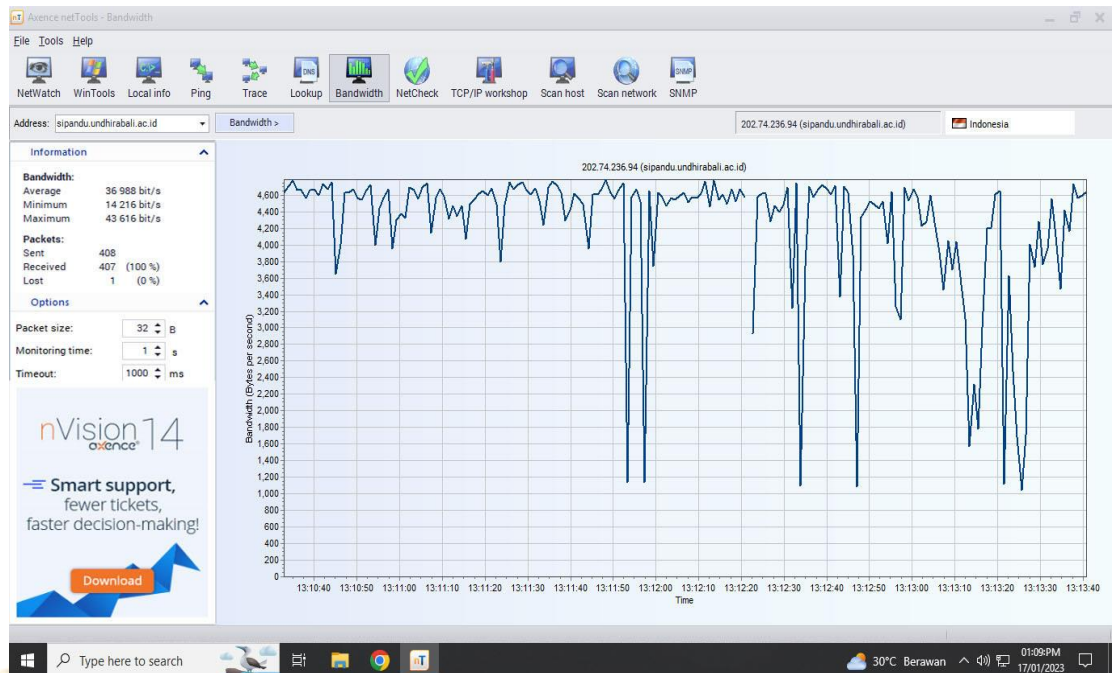


Pengukuran *Throughput* (www.sipandu.undhirabali.ac.id)

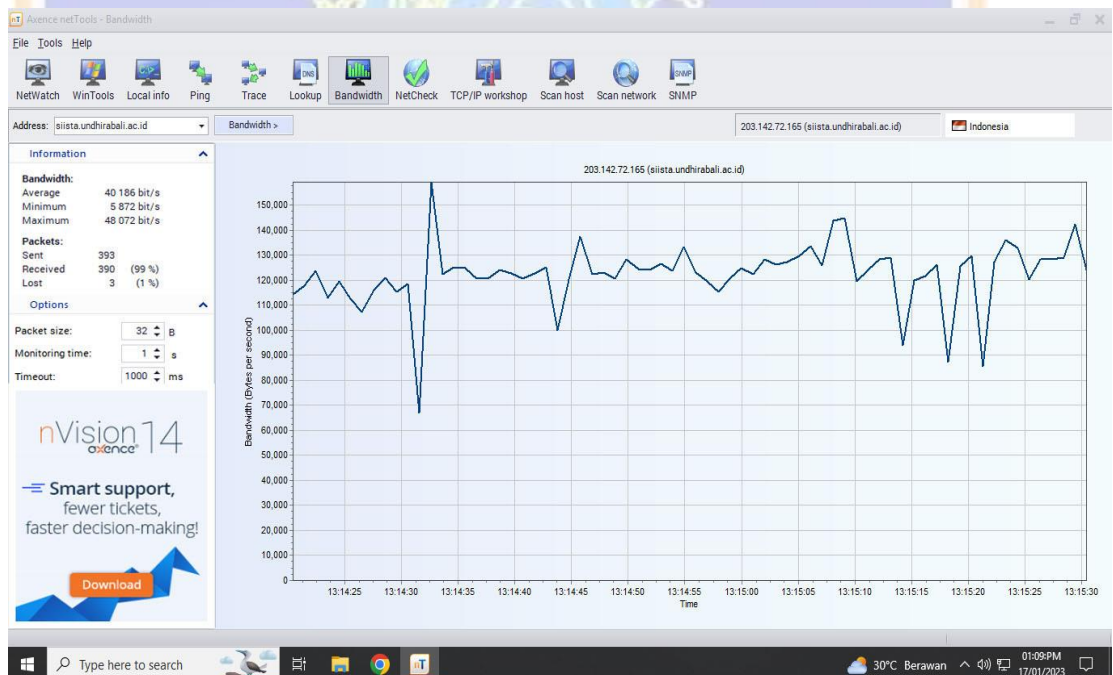


Pengukuran *Throughput* (www.siista.undhirabali.ac.id)

- Pengukuran jam 13.00-16.00 wita

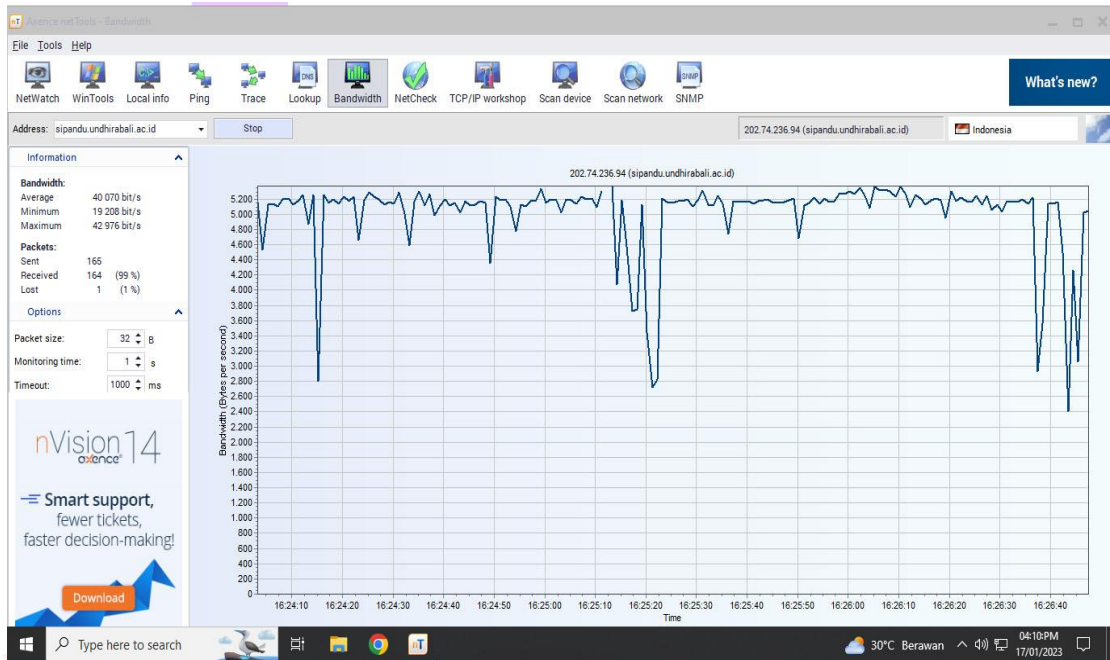


Pengukuran *Throughput* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))

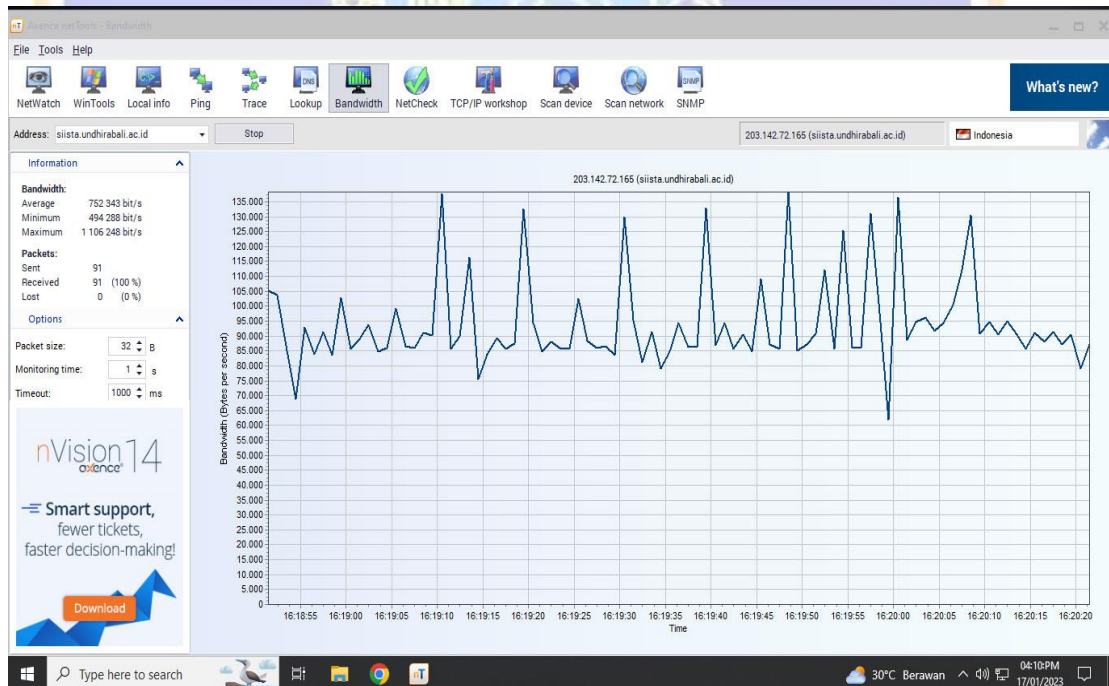


Pengukuran *Throughput* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))

- Pengukuran jam 16.00-20.00 wita



Pengukuran *Throughput* (www.sipandu.undhirabali.ac.id)

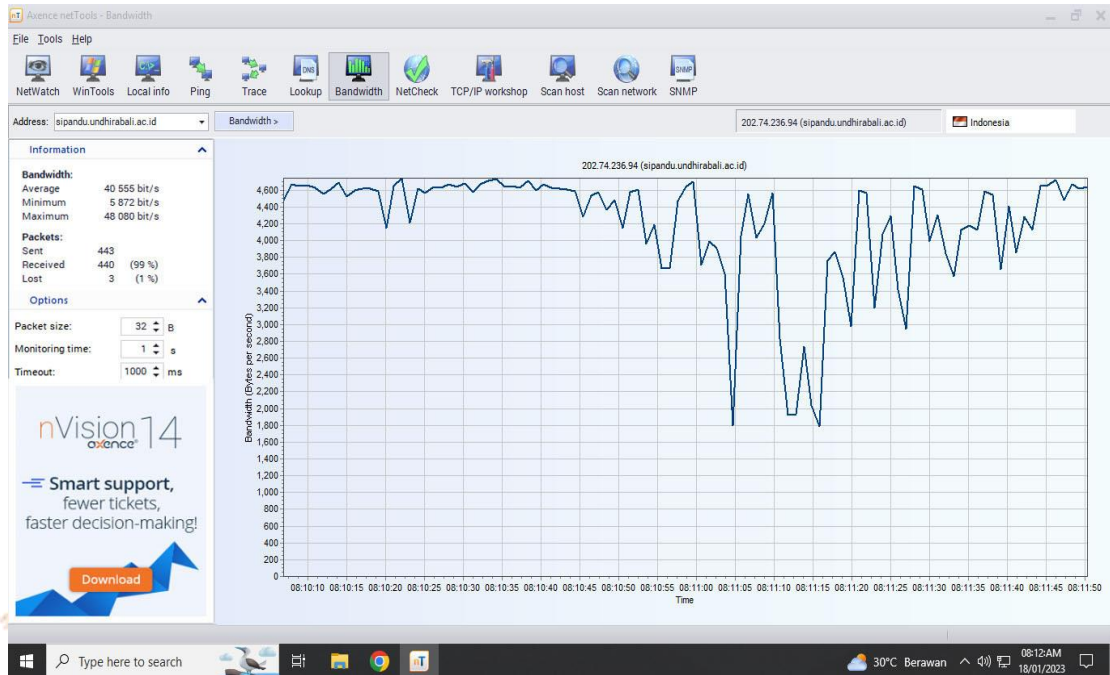


Pengukuran *Throughput* (www.siista.undhirabali.ac.id)

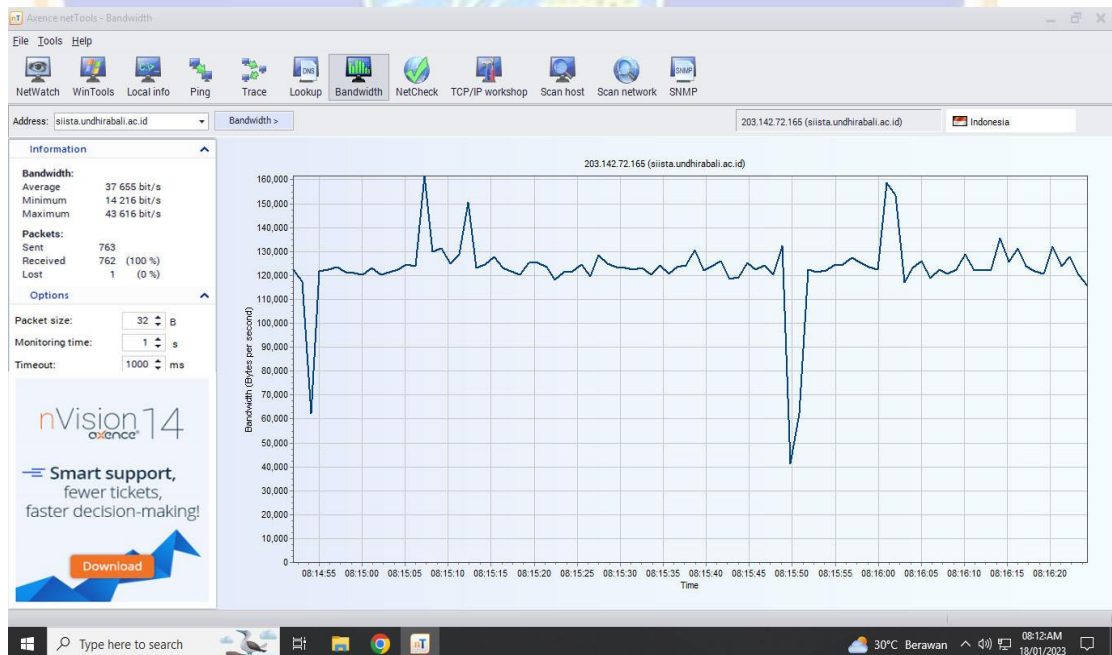


## Pengukuran tanggal 18 Januari 2023

- Pengukuran jam 08.00-12.00 wita

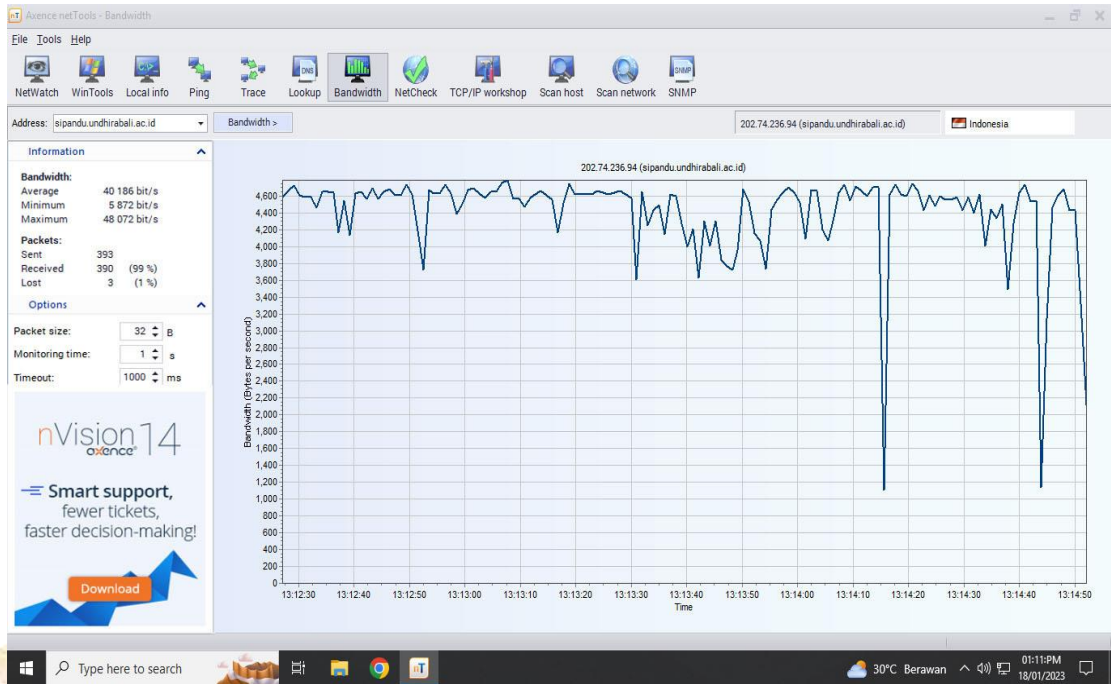


Pengukuran *Throughput* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))

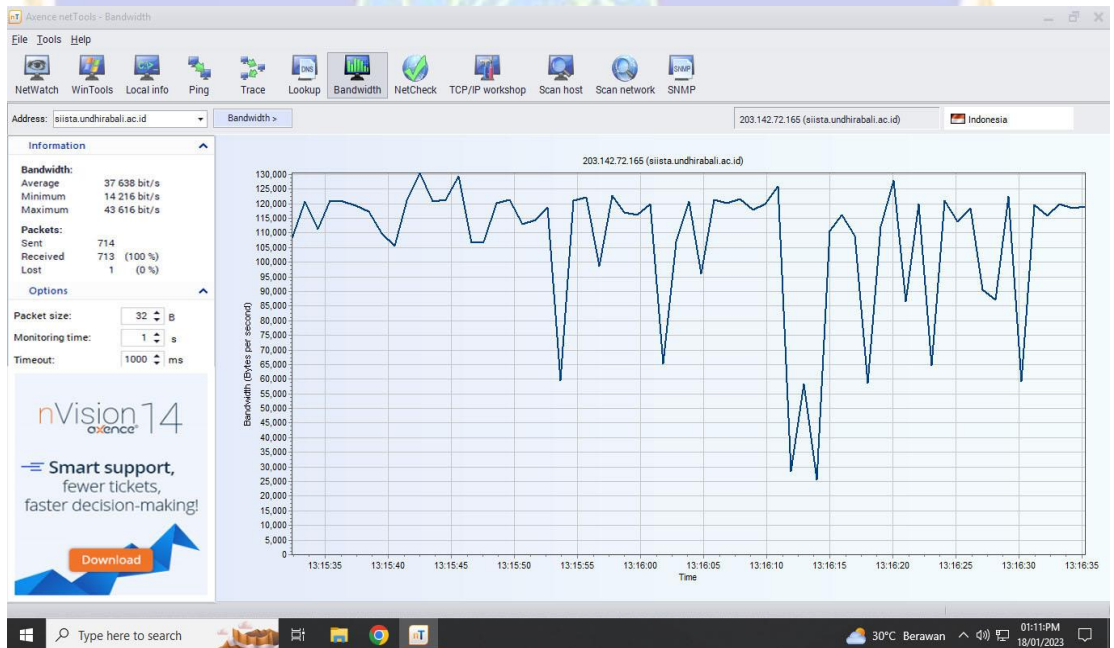


Pengukuran *Throughput* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))

- Pengukuran jam 13.00-16.00 wita

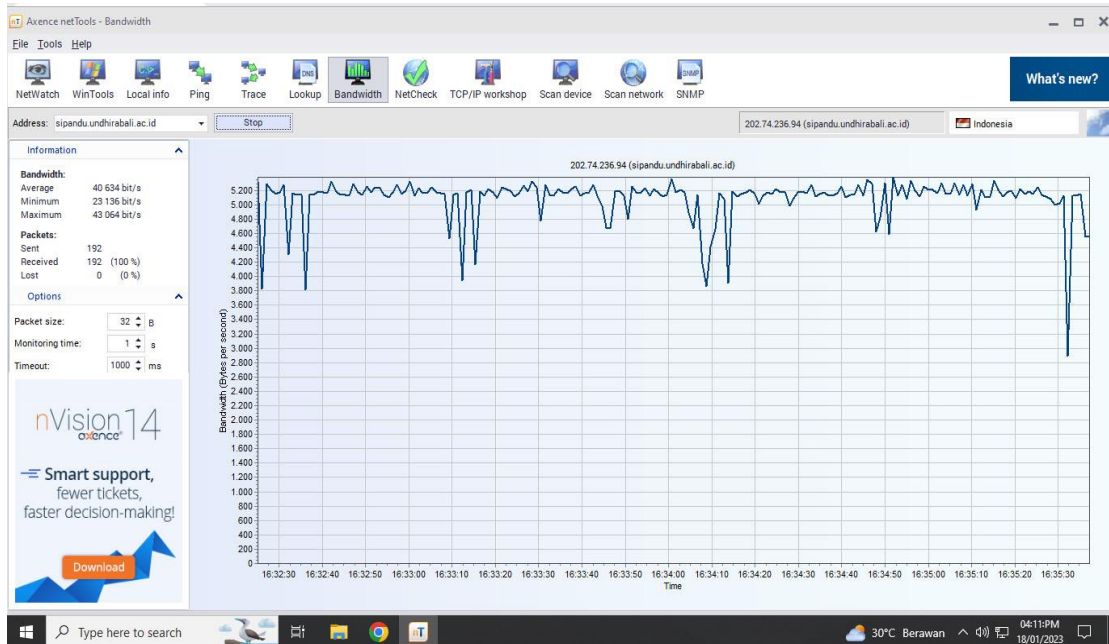


Pengukuran *Throughput* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))

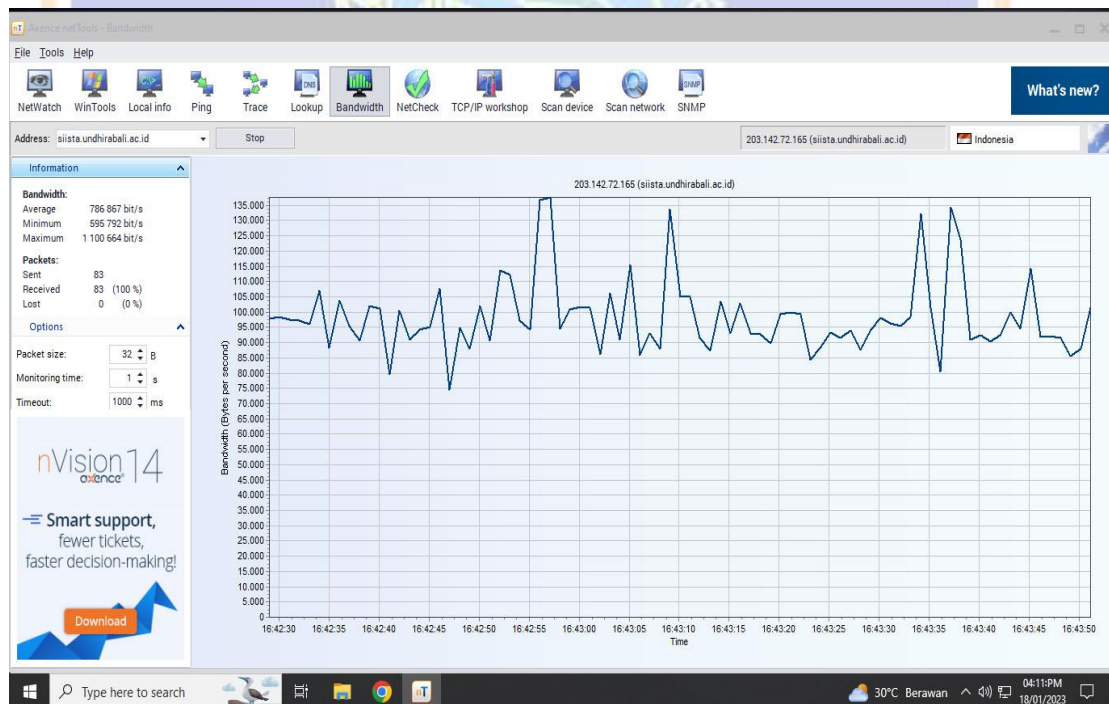


Pengukuran *Throughput* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))

- Pengukuran jam 16.00-20.00 wita



Pengukuran *Throughput* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))

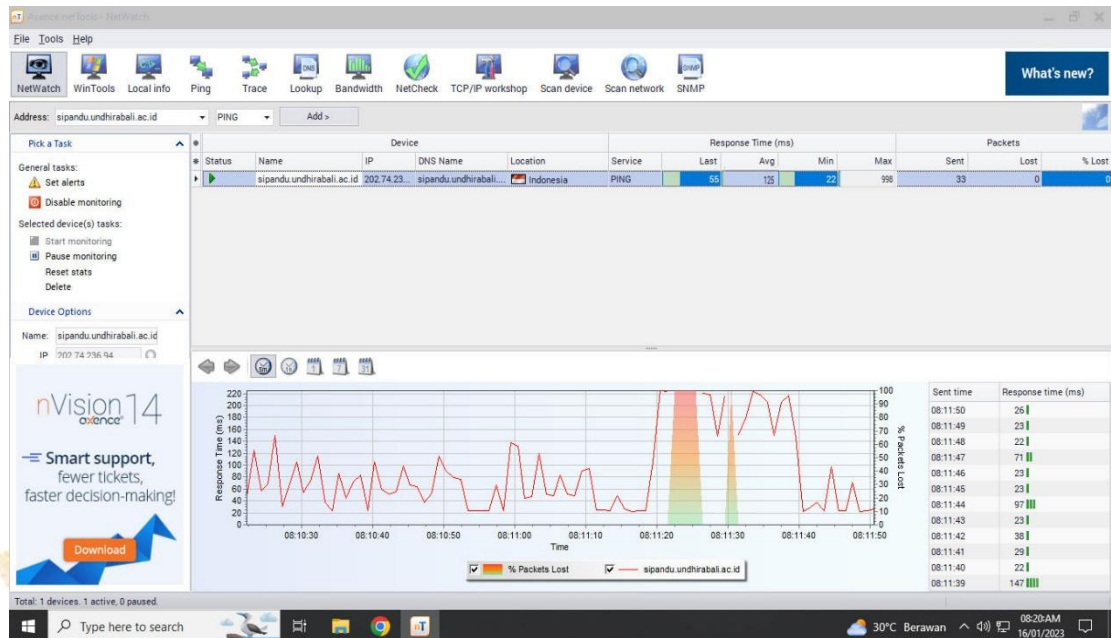


Pengukuran *Throughput* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))

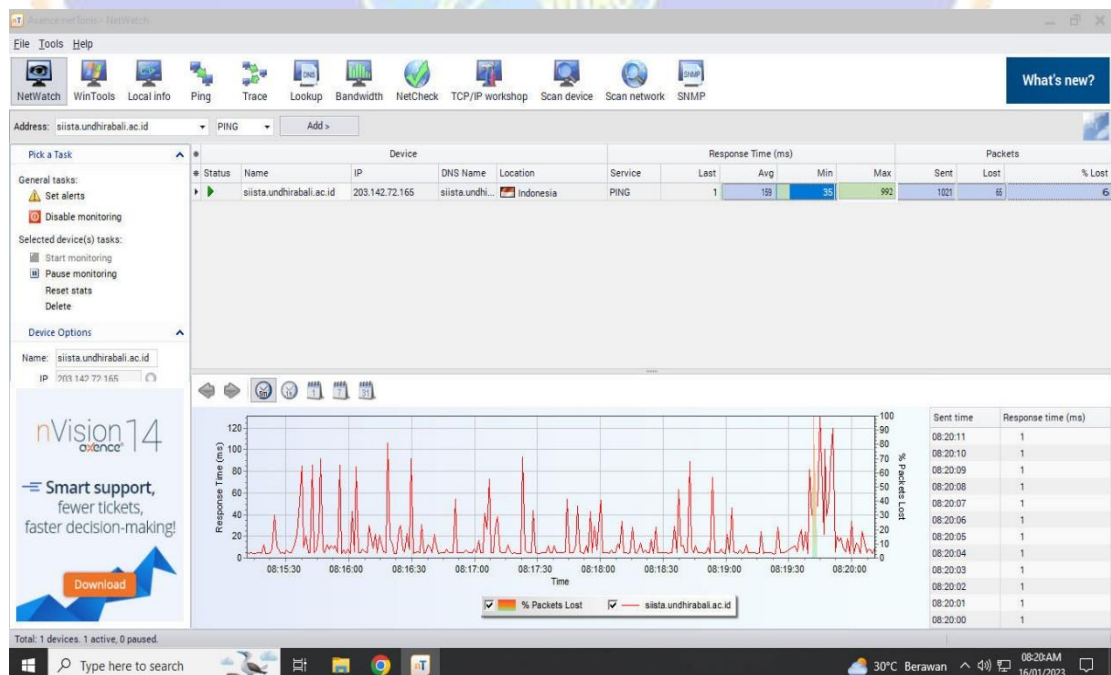
## Analisis Pengukuran Nilai Delay dan Packet Loss

Pengukuran tanggal 16 Januari 2023

- Pengukuran jam 08.00-12.00 wita



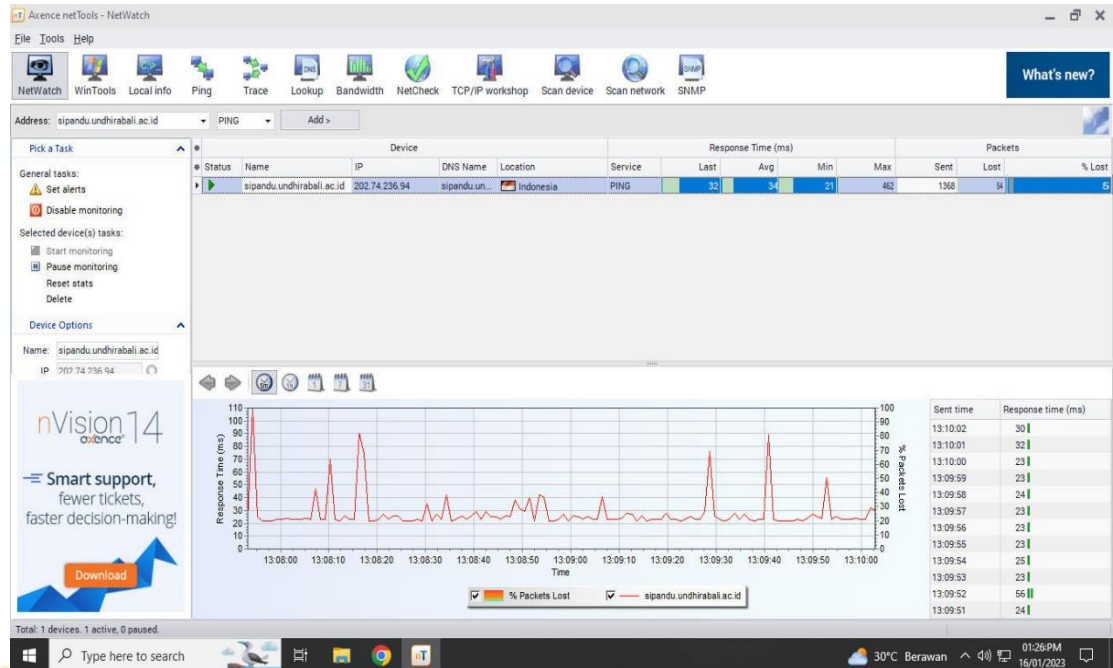
Pengukuran Delay dan Packet Loss ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))



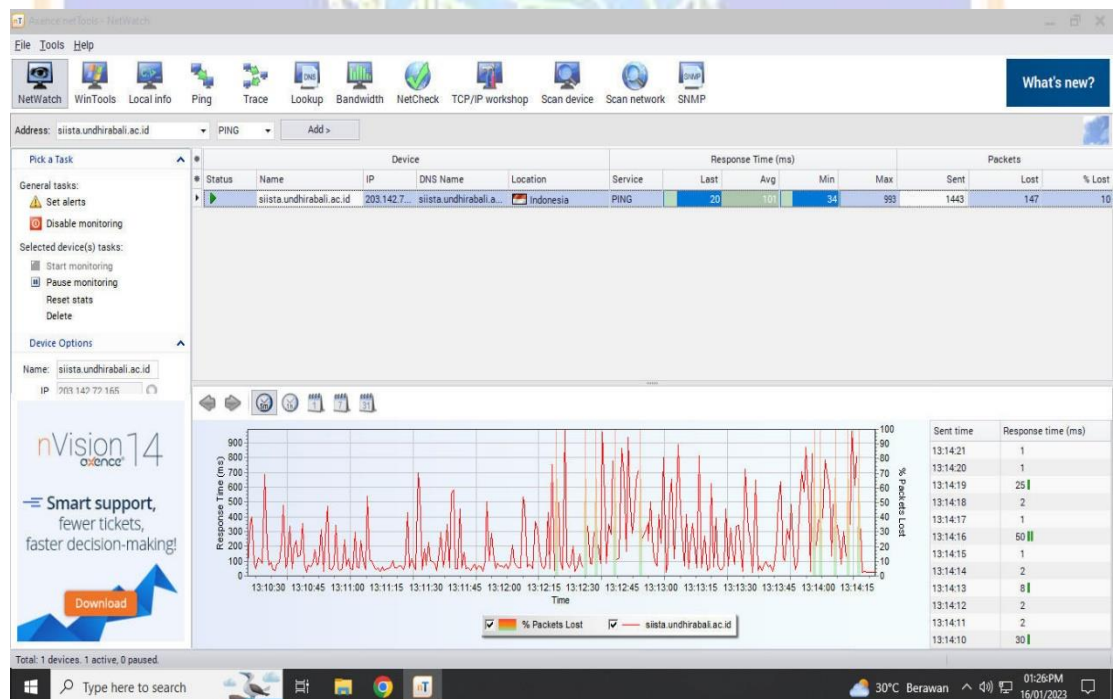
Pengukuran Delay dan Packet Loss ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))



- Pengukuran jam 13.00-16.00 wita

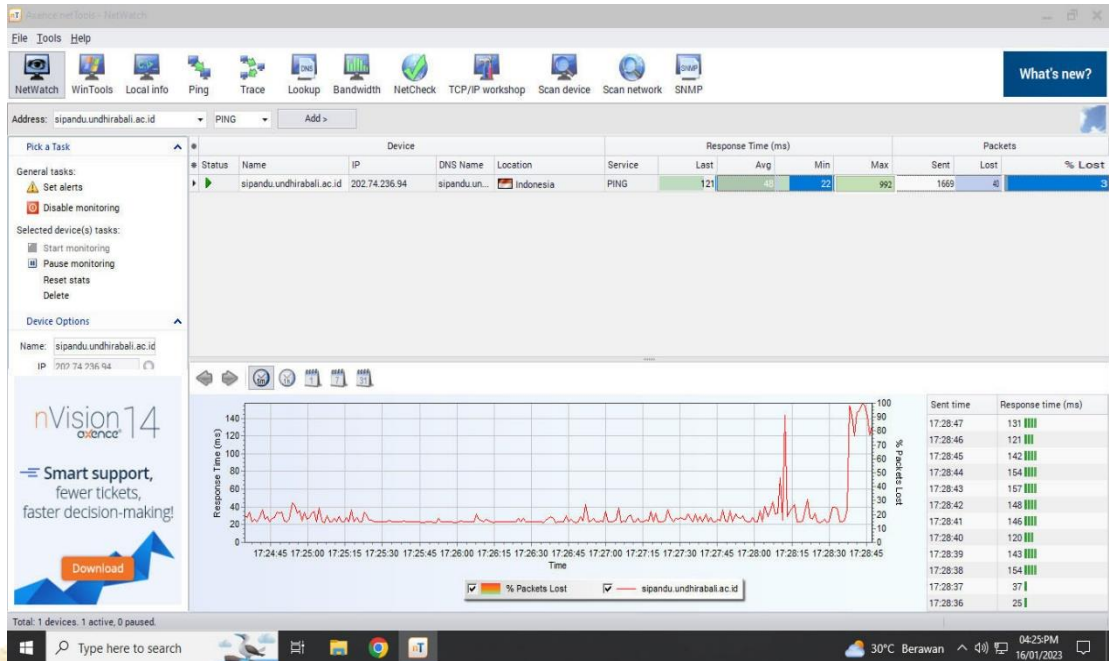


Pengukuran Delay dan Packet Loss (www.sipandu.undhirabali.ac.id)

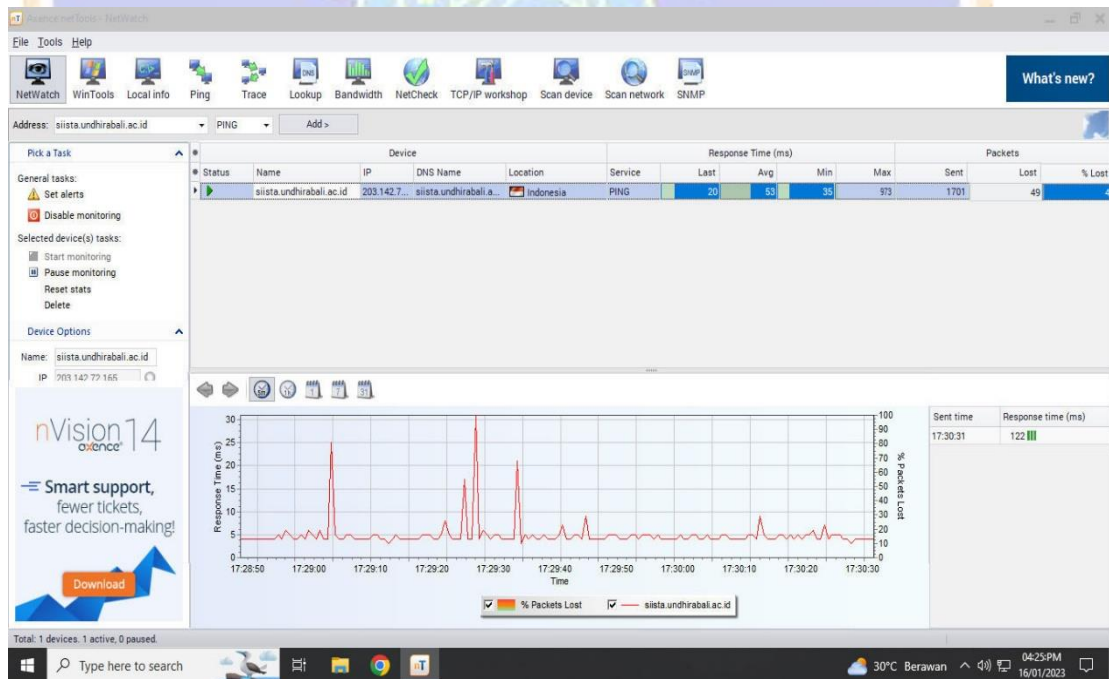


Pengukuran Delay dan Packet Loss (www.siista.undhirabali.ac.id)

- Pengukuran jam 16.00-20.00 wita



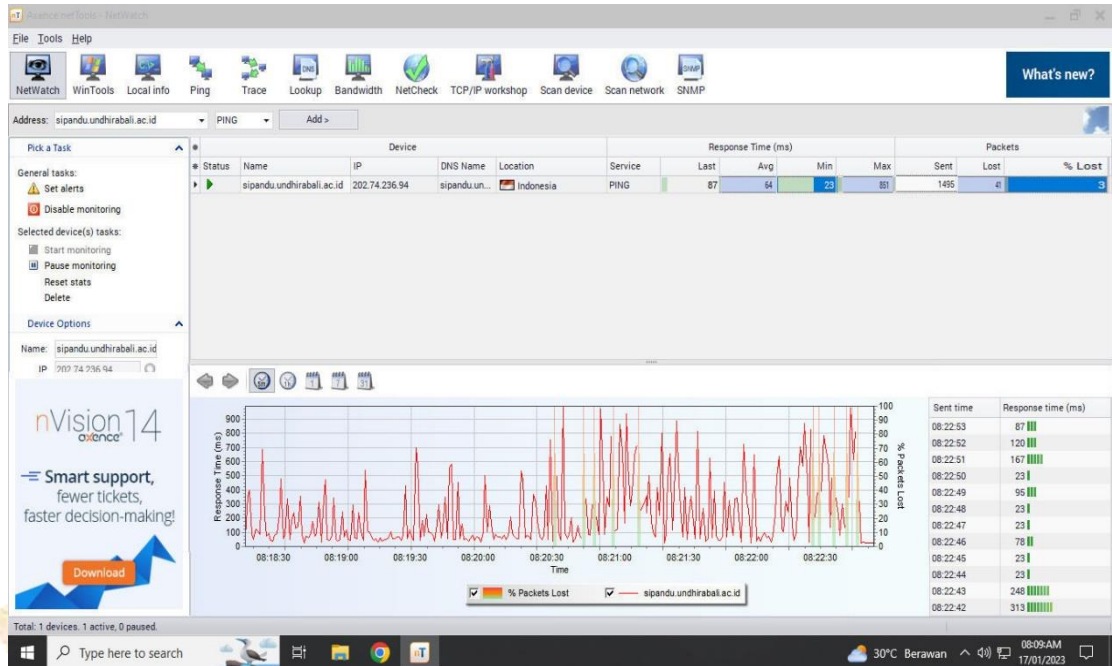
Pengukuran Delay dan Packet Loss (www.sipandu.undhirabali.ac.id)



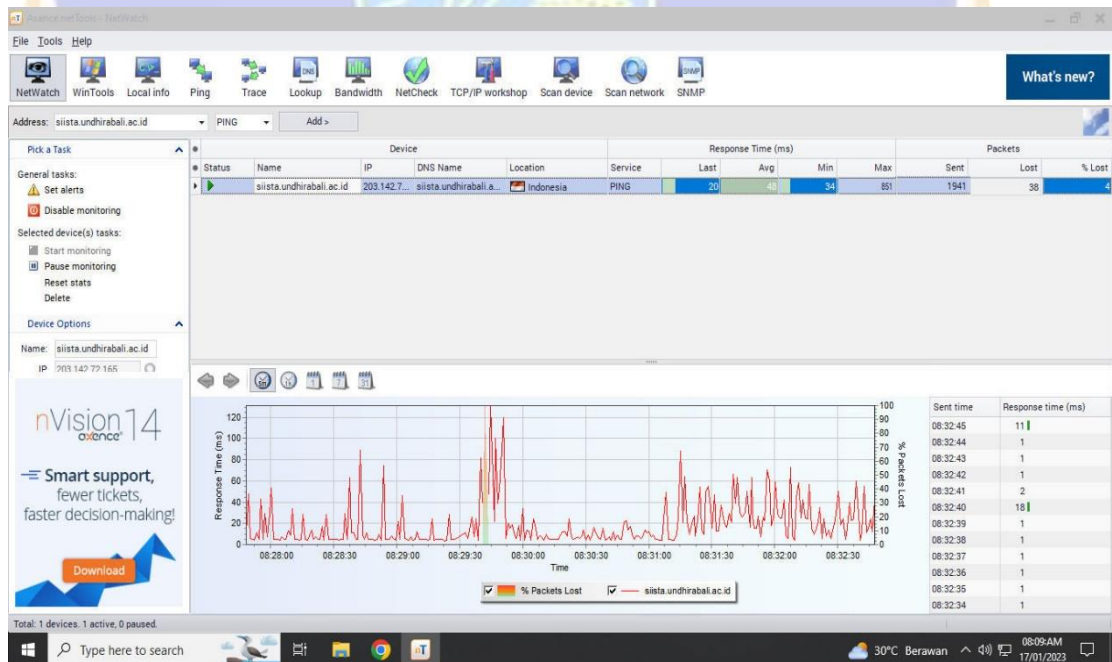
Pengukuran Delay dan Packet Loss (www.siista.undhirabali.ac.id)

Pengukuran tanggal 17 Januari 2023

- Pengukuran jam 08.00-12.00 wita



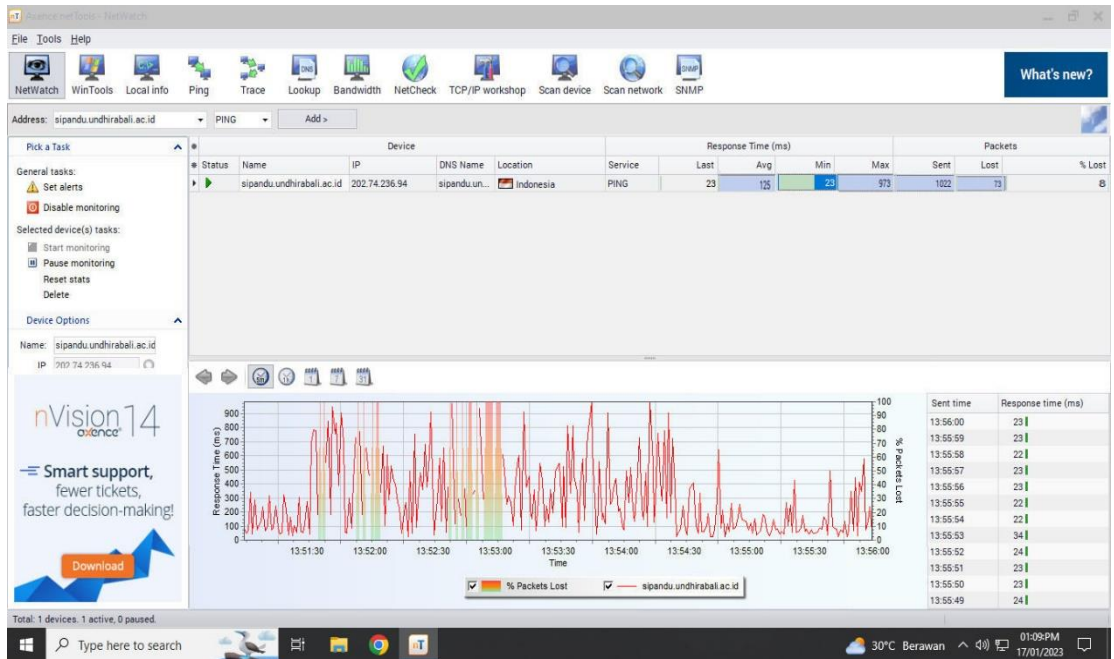
Pengukuran Delay dan Packet Loss (www.sipandu.undhirabali.ac.id)



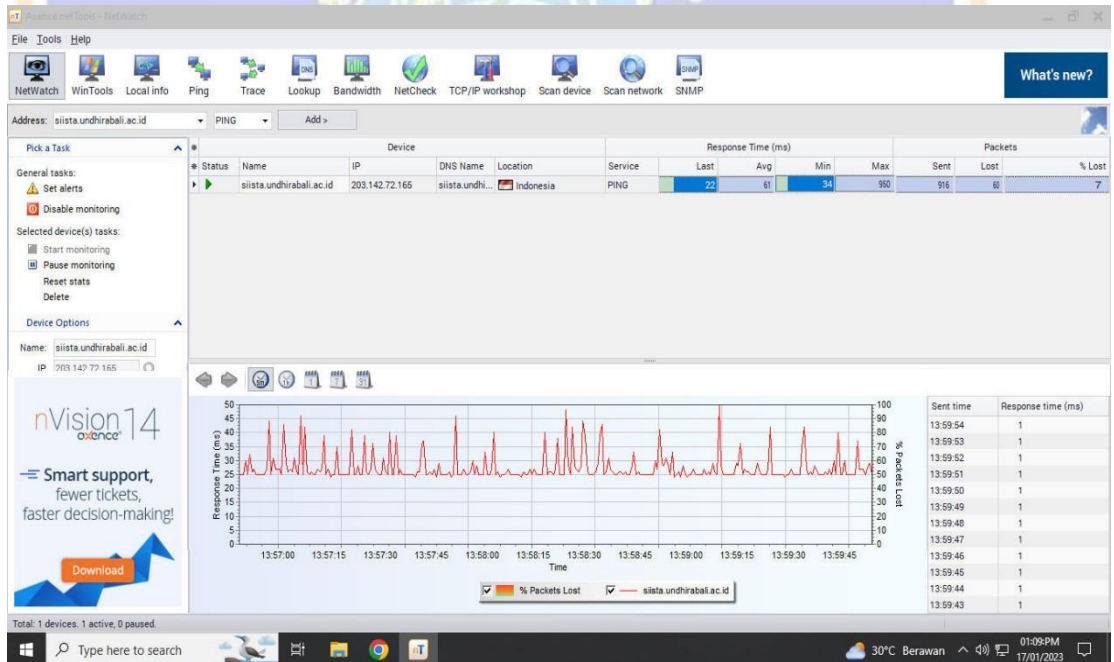
Pengukuran Delay dan Packet Loss (www.siista.undhirabali.ac.id)



- Pengukuran jam 13.00-16.00 wita



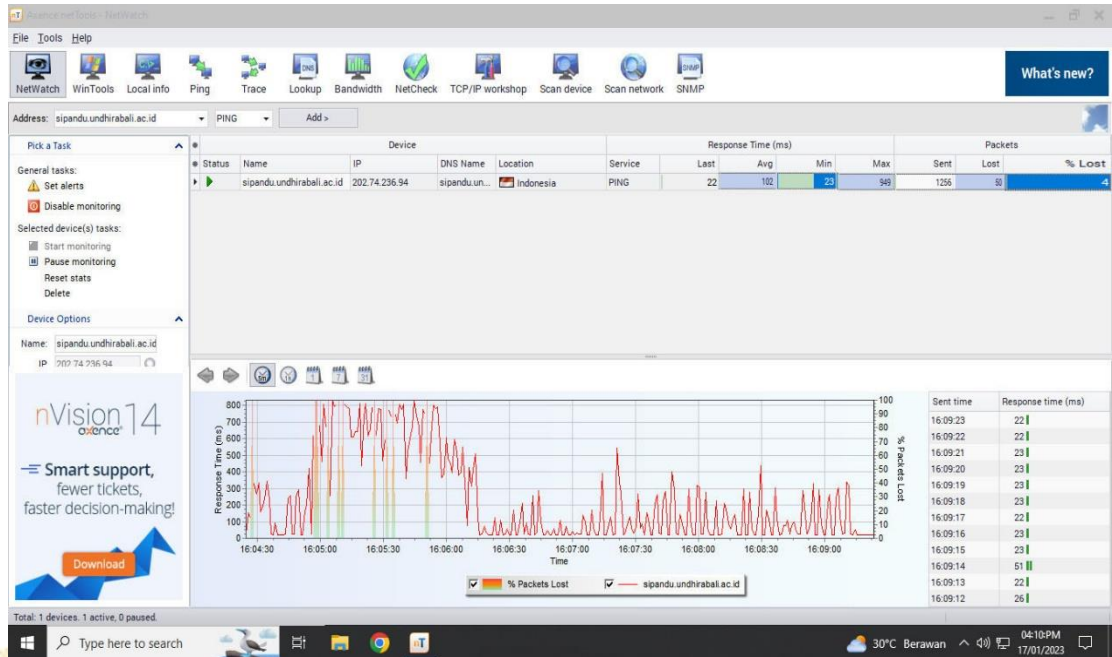
Pengukuran *Delay* dan *Packet Loss* ([www.sipandu.undhirabali.ac.id](http://www.sipandu.undhirabali.ac.id))



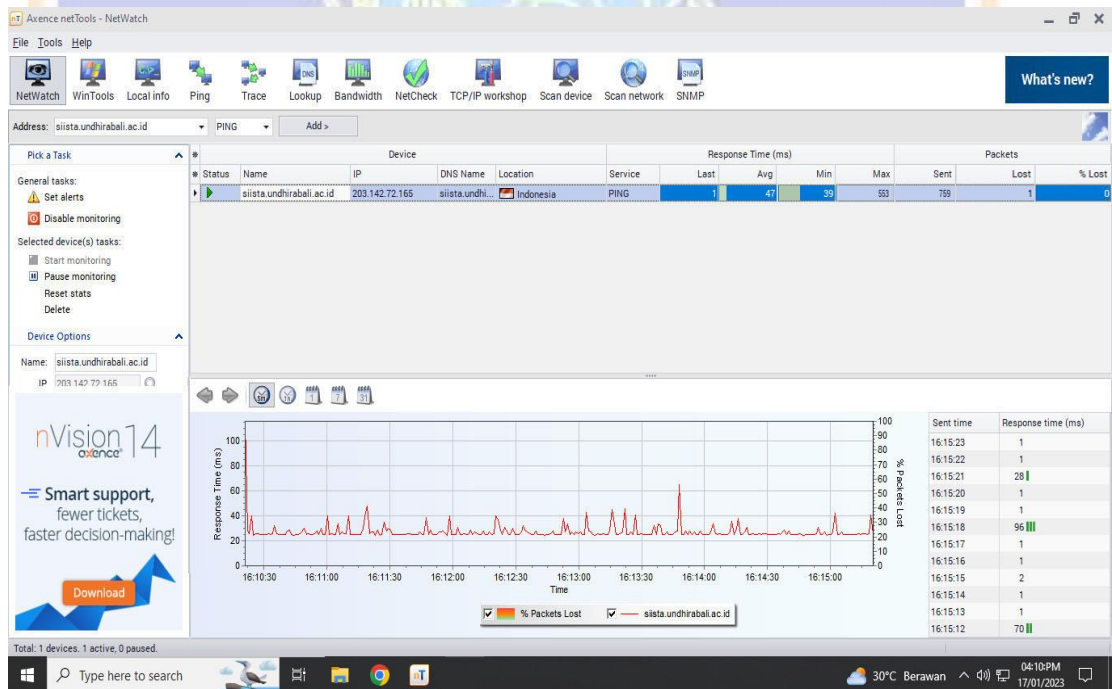
Pengukuran *Delay* dan *Packet Loss* ([www.siista.undhirabali.ac.id](http://www.siista.undhirabali.ac.id))



- Pengukuran jam 16.00-20.00 wita



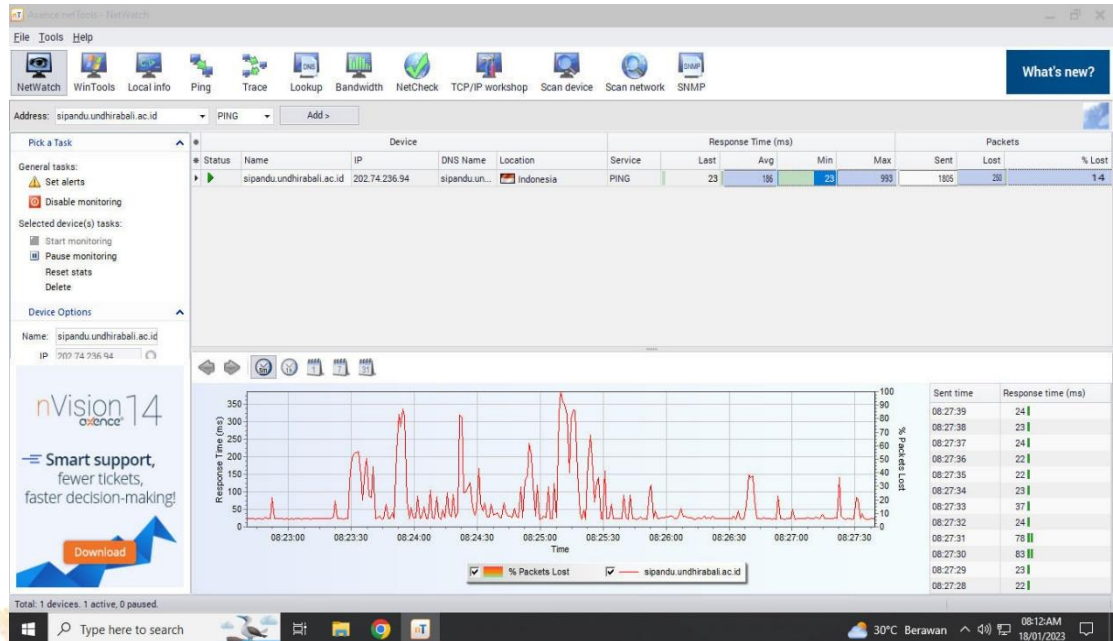
Pengukuran *Delay* dan *Packet Loss* (www.sipandu.undhirabali.ac.id)



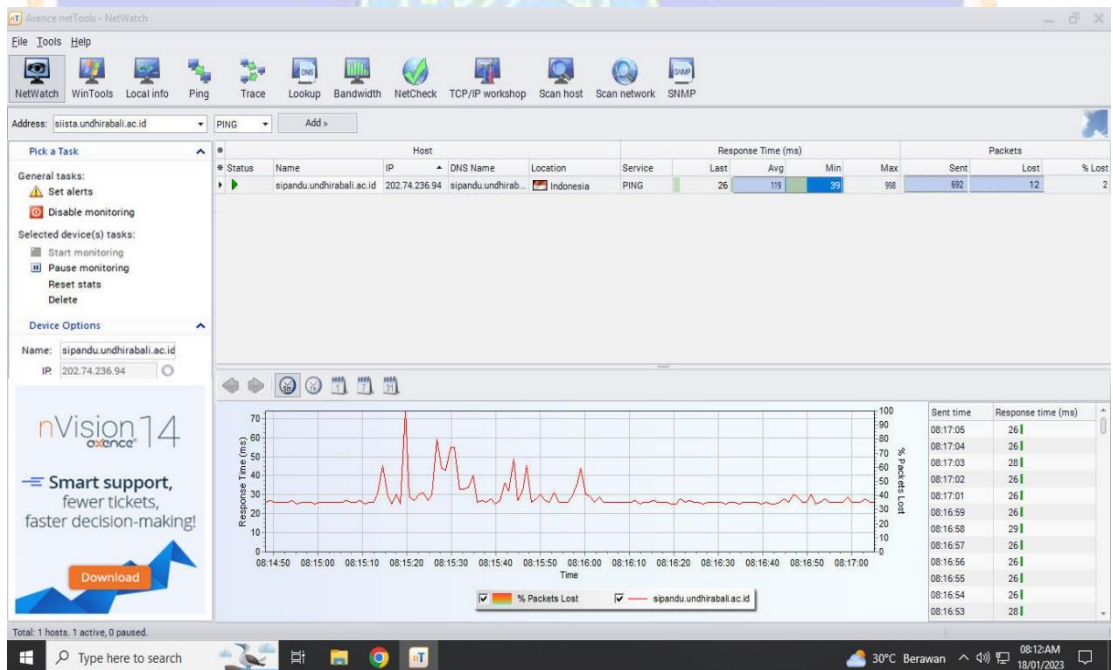
Pengukuran *Delay* dan *Packet Loss* (www.siista.undhirabali.ac.id)

Pengukuran tanggal 18 Januari 2023

- Pengukuran jam 08.00-12.00 wita

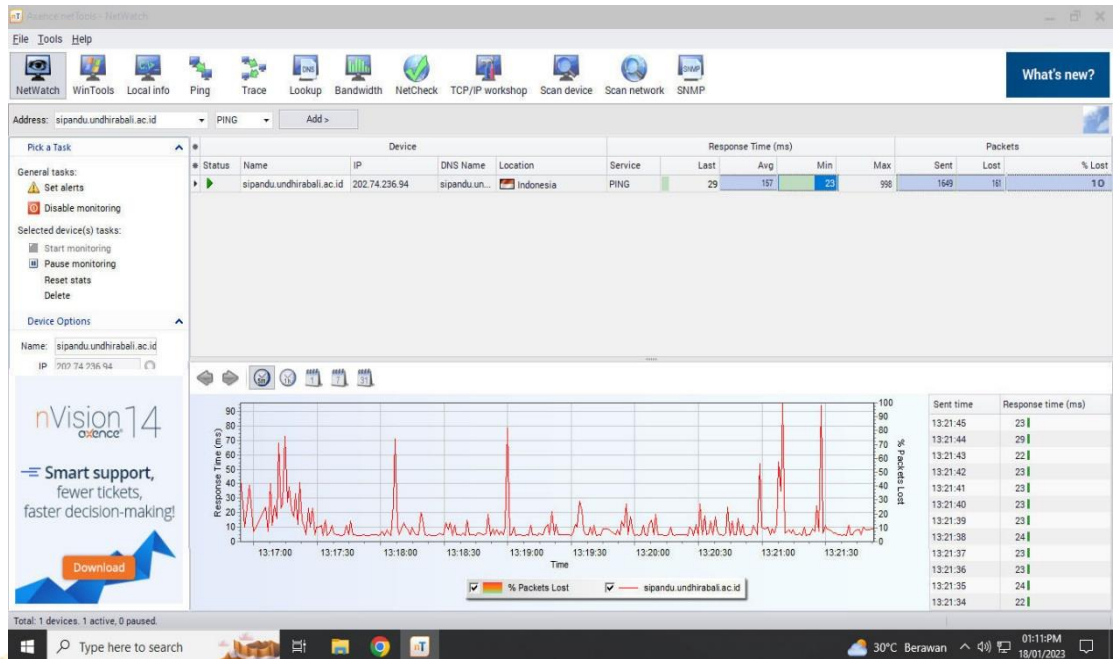


Pengukuran Delay dan Packet Loss (www.sipandu.undhirabali.ac.id)

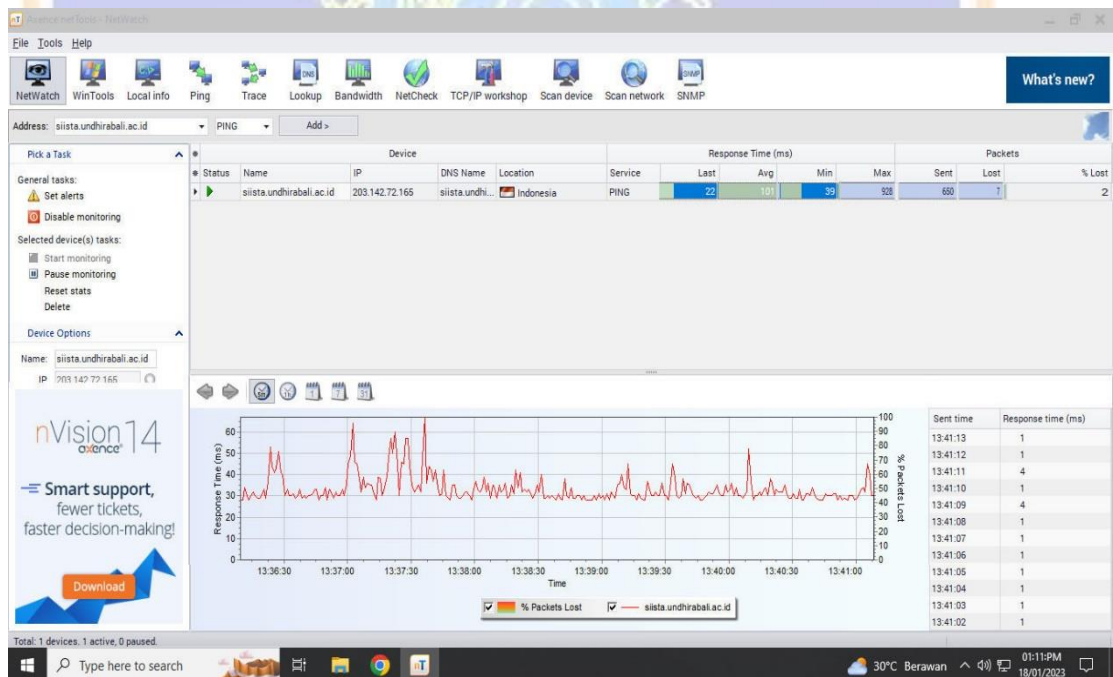


Pengukuran Delay dan Packet Loss (www.siista.undhirabali.ac.id)

- Pengukuran jam 13.00-16.00 wita



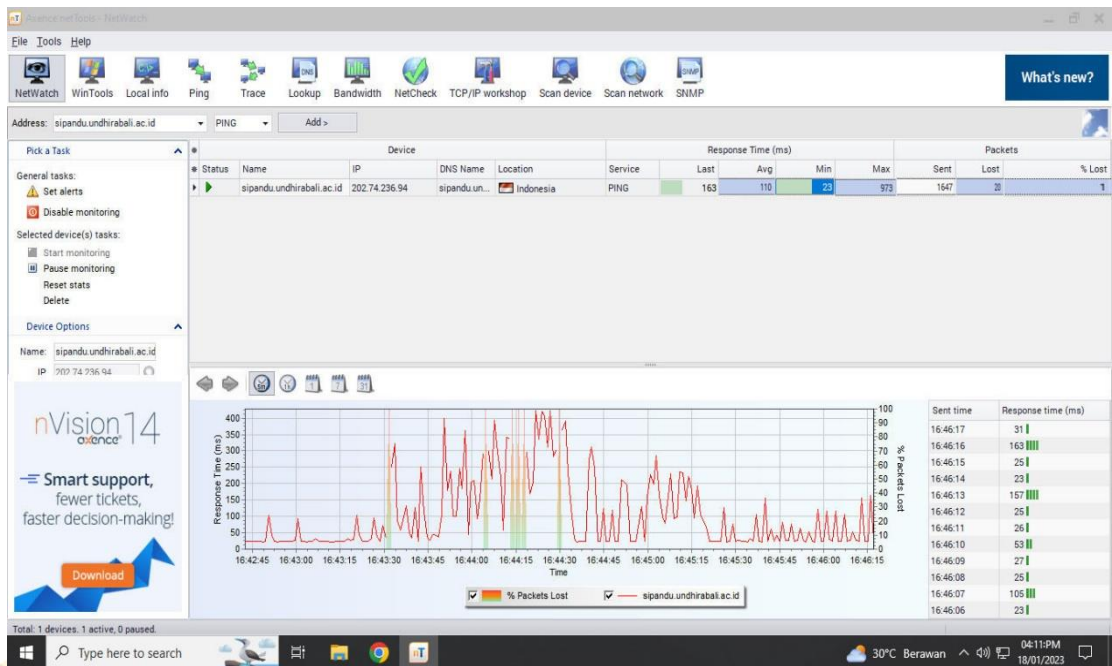
Pengukuran Delay dan Packet Loss (www.sipandu.undhirabali.ac.id)



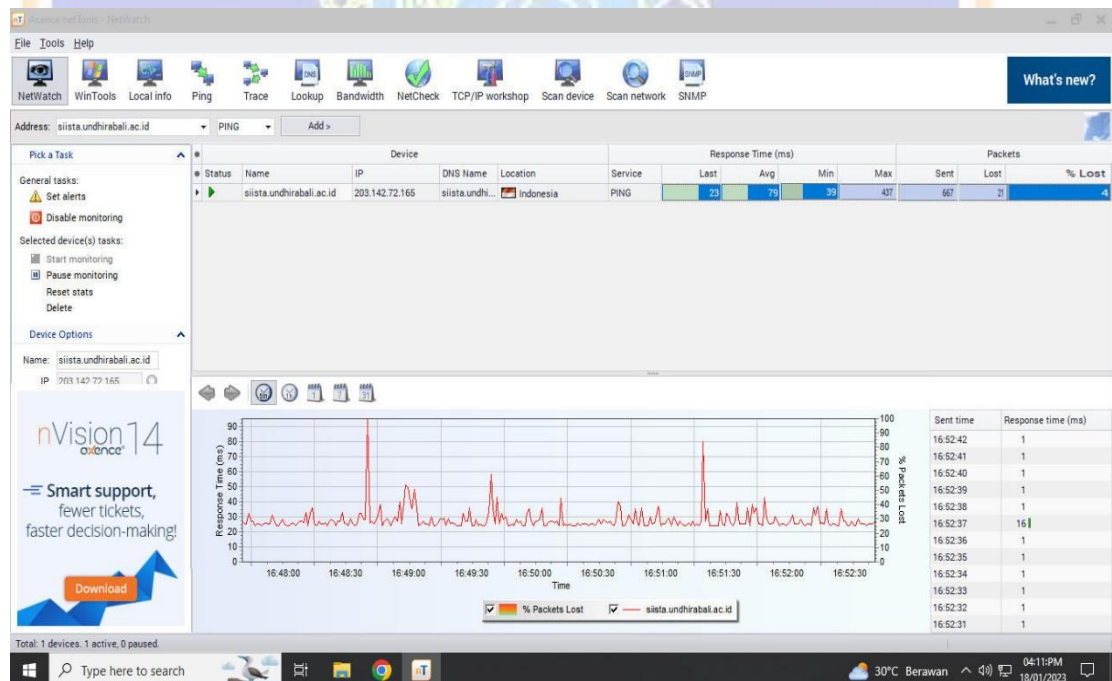
Pengukuran Delay dan Packet Loss (www.siista.undhirabali.ac.id)



- Pengukuran jam 16.00-20.00 wita



Pengukuran Delay dan Packet Loss (www.sipandu.undhirabali.ac.id)



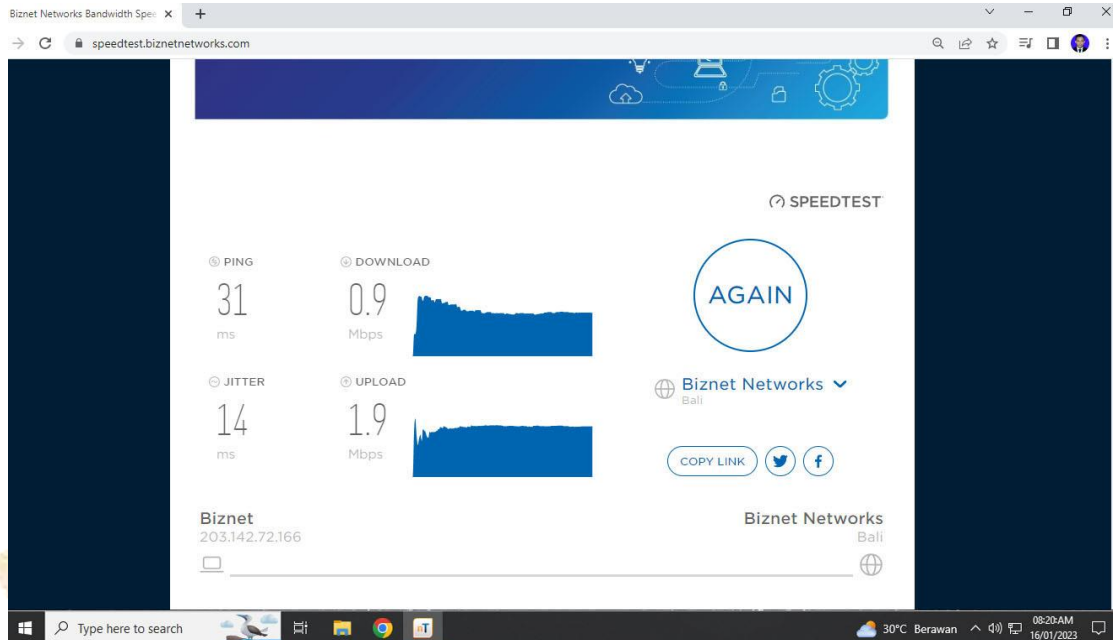
Pengukuran Delay dan Packet Loss (www.siista.undhirabali.ac.id)



## Analisis Pengukuran Nilai Jitter

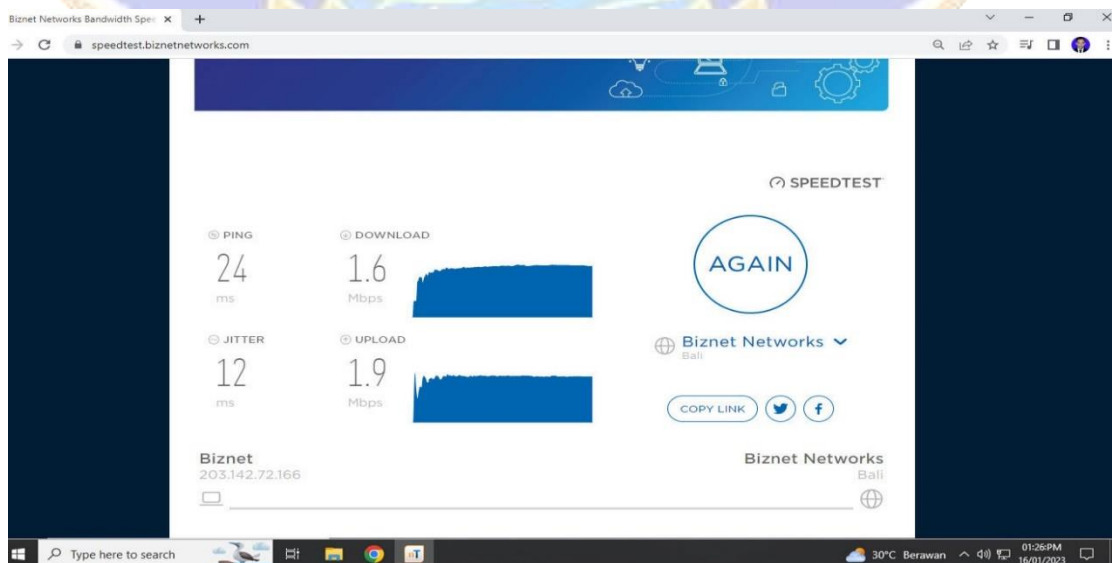
Pengukuran *Jitter* tanggal 16 Januari 2023

- Pengukuran jam 08.00-12.00 wita



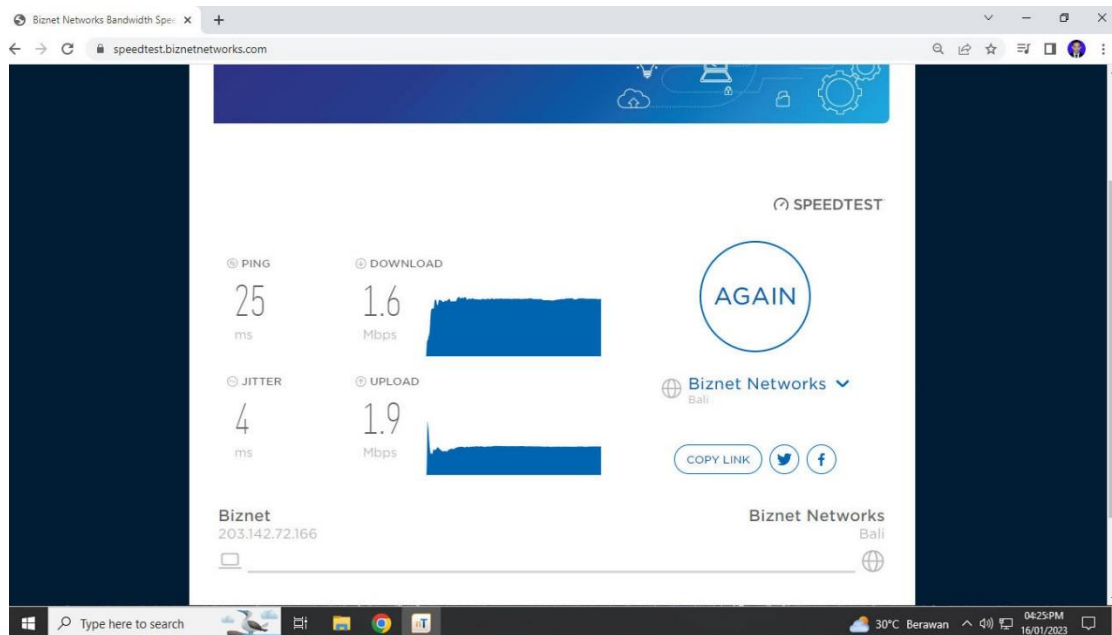
Pengukuran *Jitter*

- Pengukuran jam 13.00-16.00 wita



Pengukuran *Jitter*

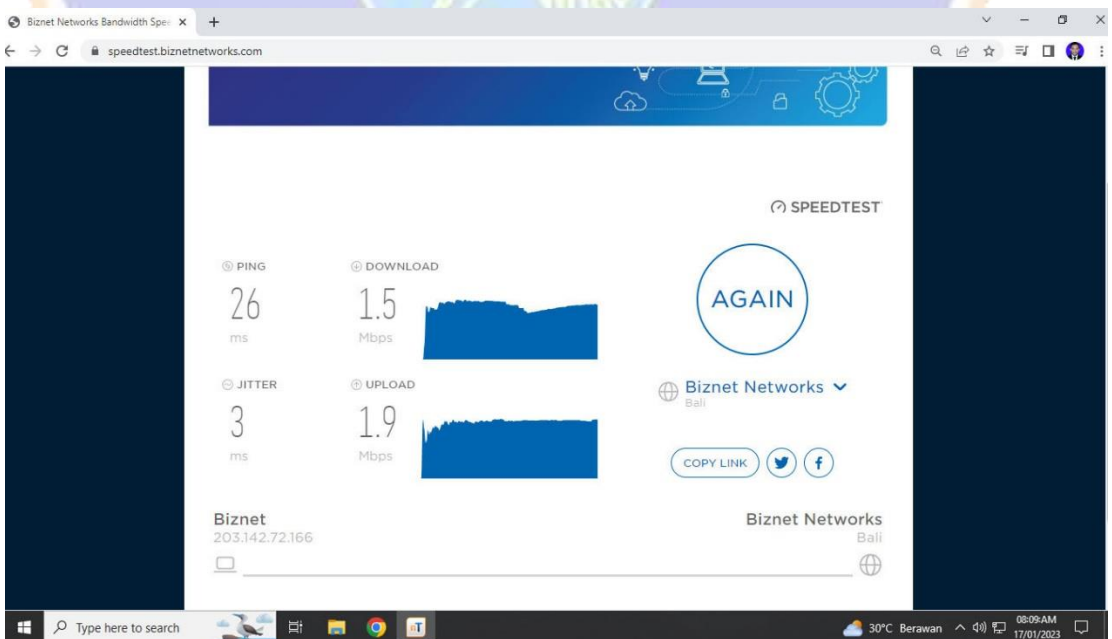
- Pengukuran jam 16.00-20.00 wita



### Pengukuran *Jitter*

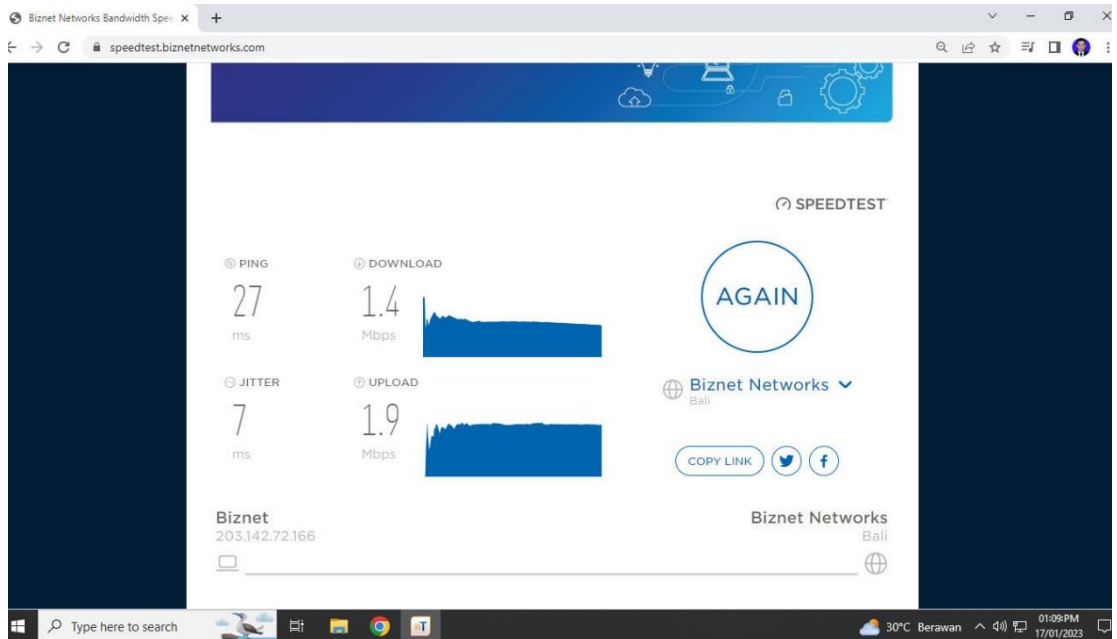
Pengukuran *Jitter* tanggal 17 Januari 2023

- Pengukuran jam 08.00-12.00 wita



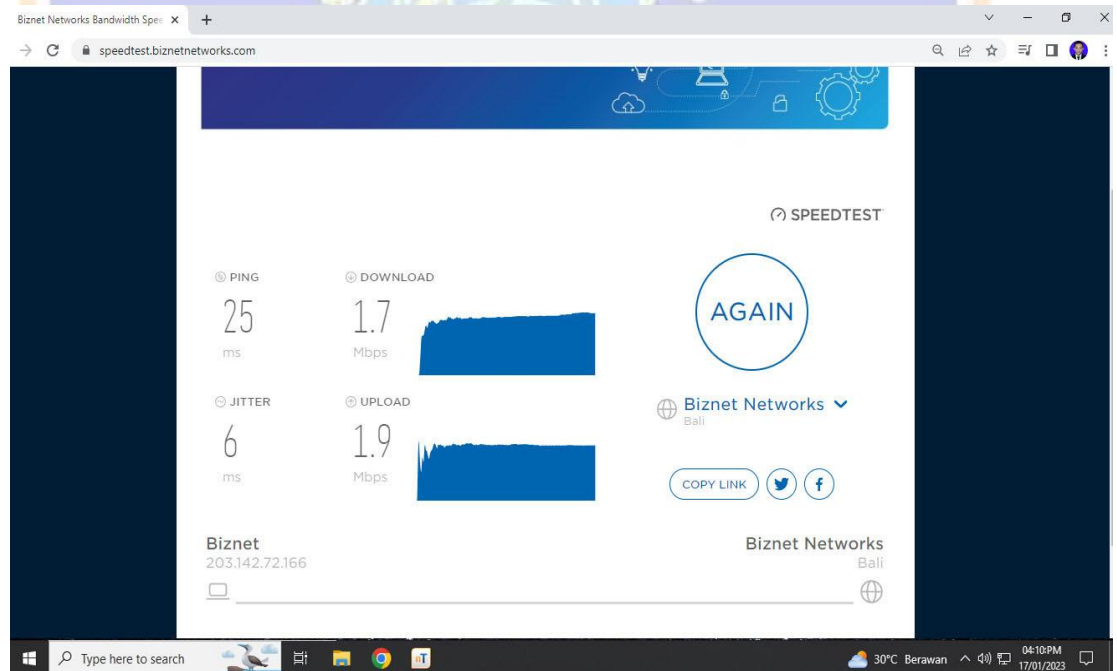
### Pengukuran *Jitter*

- Pengukuran jam 13.00-16.00 wita



Pengukuran *Jitter*

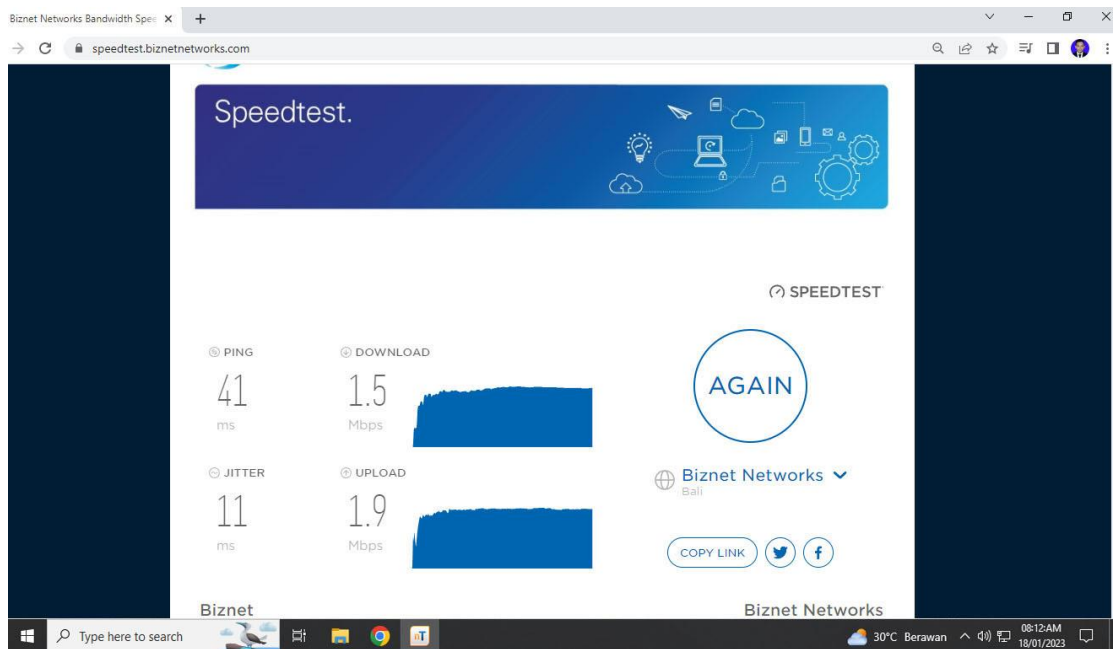
- Pengukuran jam 16.00-20.00 wita



Pengukuran *Jitter*

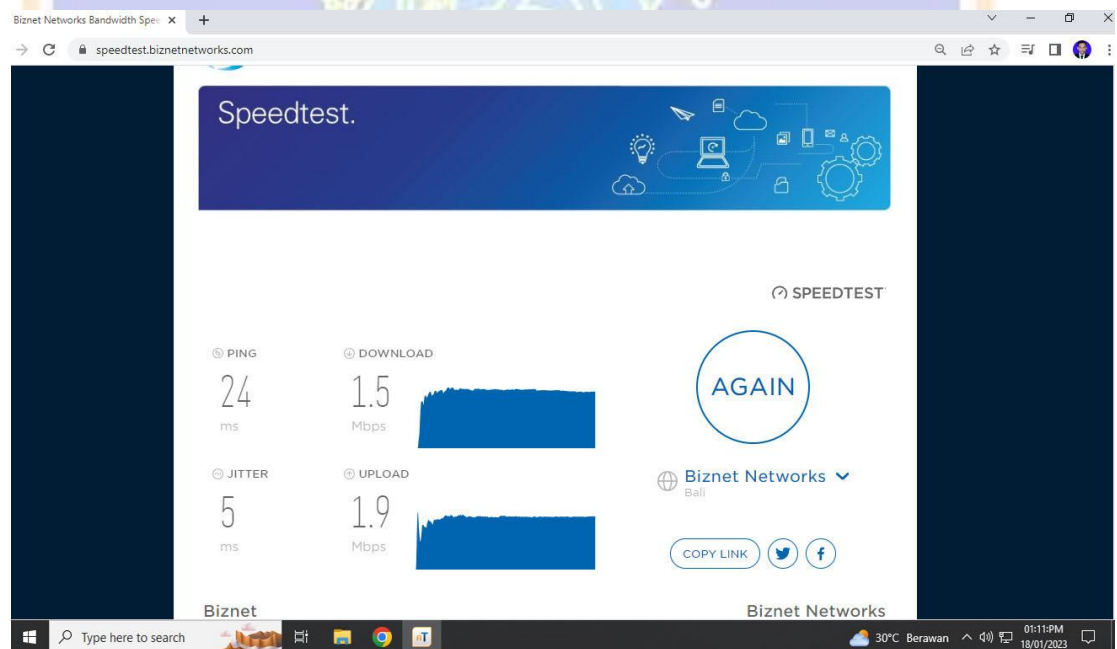
Pengukuran *Jitter* tanggal 18 Januari 2023

- Pengukuran jam 08.00-12.00 wita



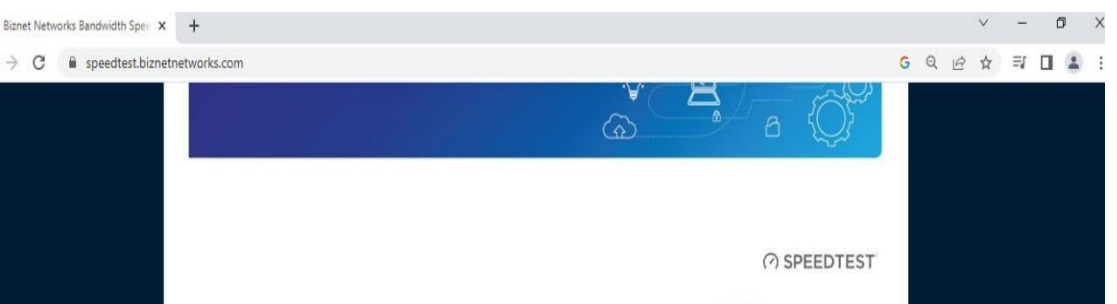
### Pengukuran *Jitter*

- Pengukuran jam 13.00-16.00 wita



### Pengukuran *Jitter*

- Pengukuran jam 16.00-20.00 wita







Pengukuran *Jitter*