

## Lampiran 1

### Data hasil penelitian

#### 1. Pengukuran konsumsi listrik.

##### ➤ PC tanpa Cloning

Mode Stanby

1 user



2 user



3 user



4 user



Mode Aktif

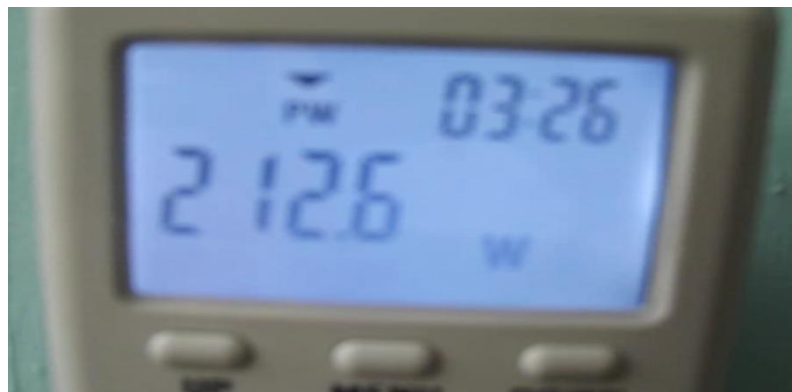
1 user



2 user



3 user



4 user



➤ Dengan PC Cloning

Mode stanby

1 user



2 user



3 user



4 user



Mode aktif

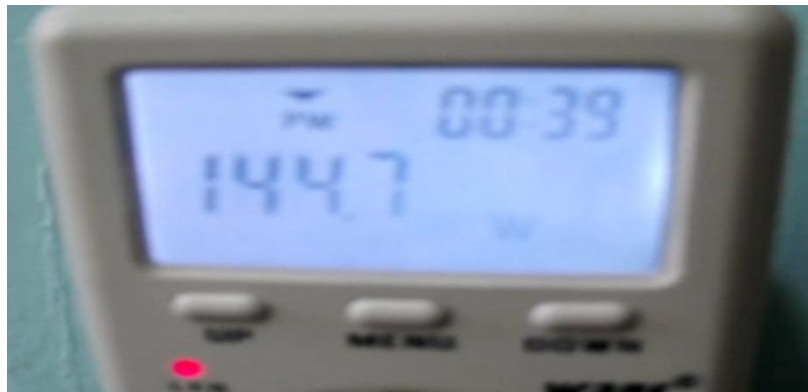
1 user



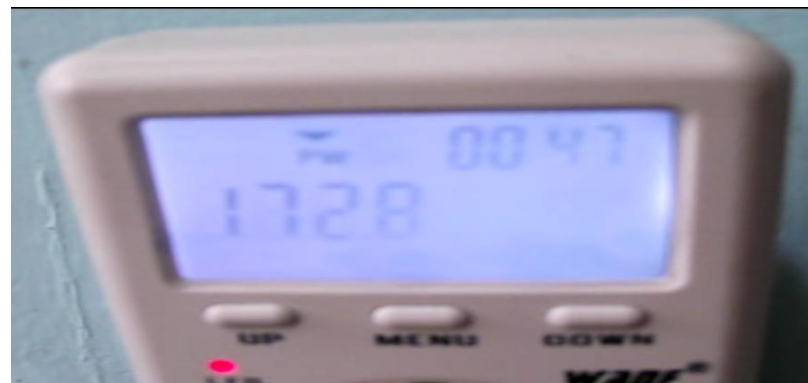
2 user



3 user



4 user



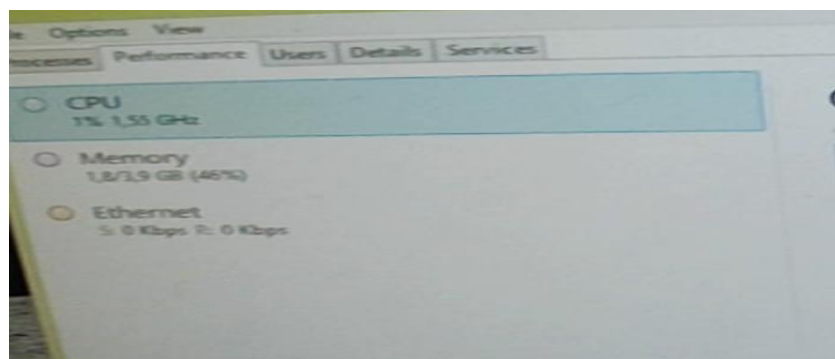
## 2. Pengujian performa

➤ Aplikasi kantor

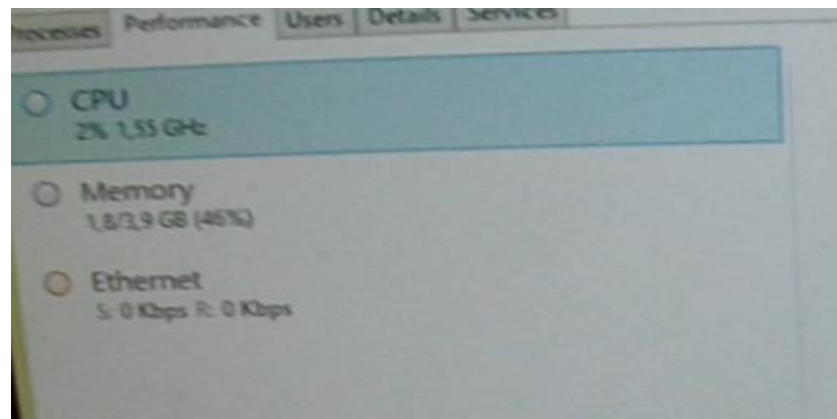
a. Microsoft Word 2007

Mode stanby

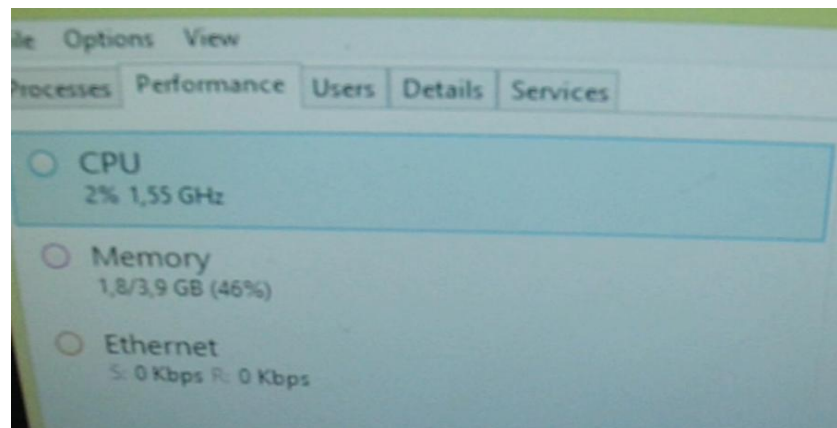
1 user



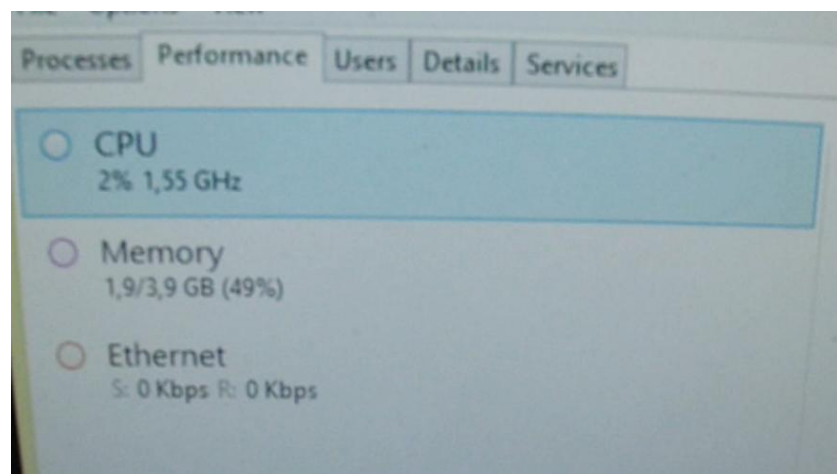
2 user



3 user



4 user

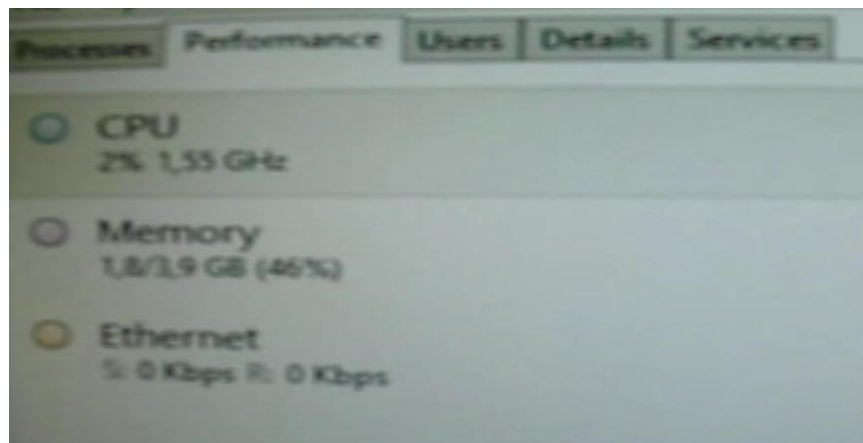


Mode aktif

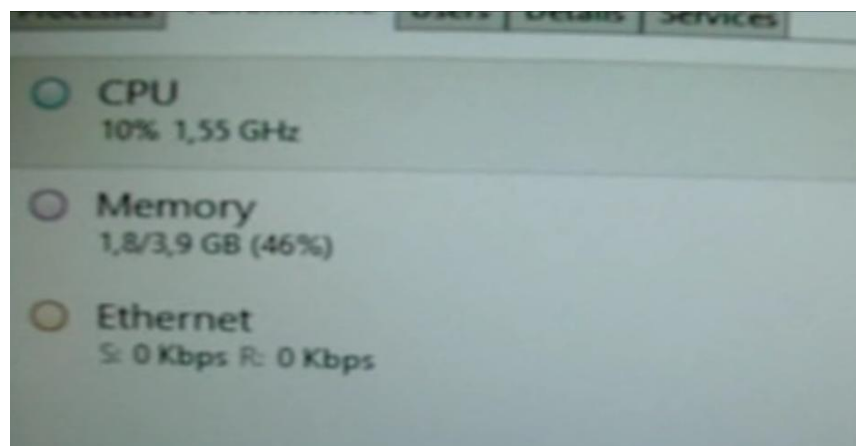
1 user



2 user

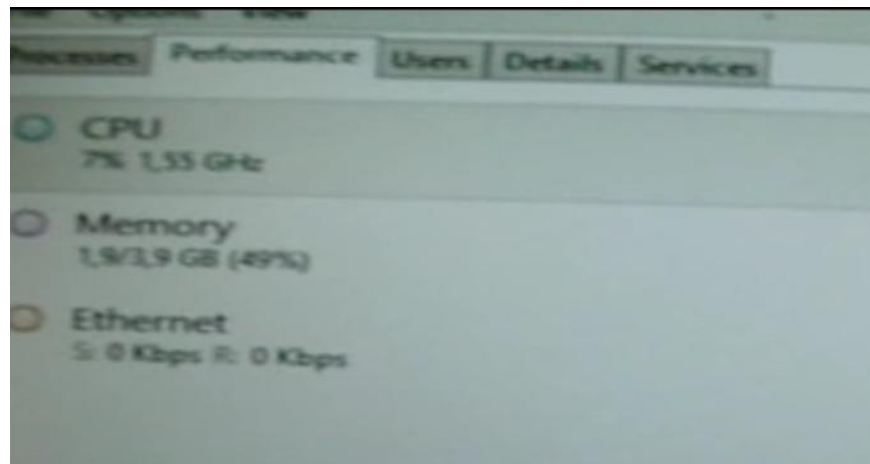


3 user





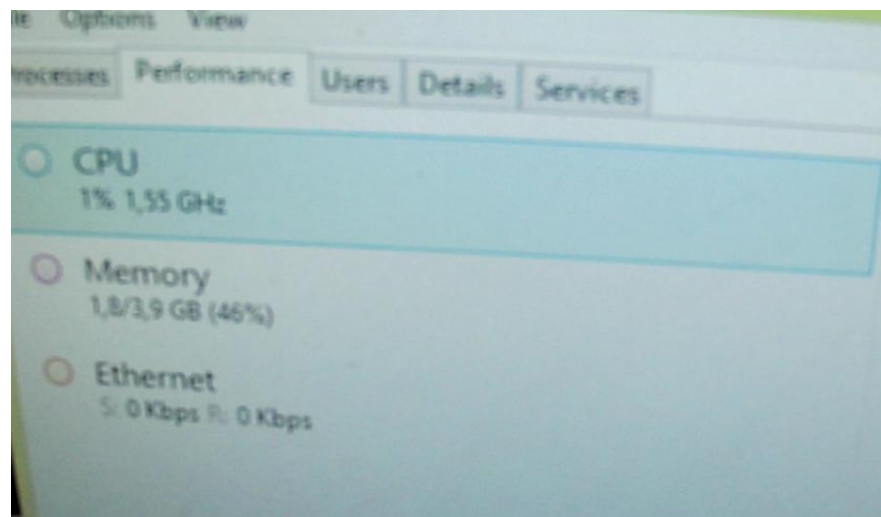
4 user



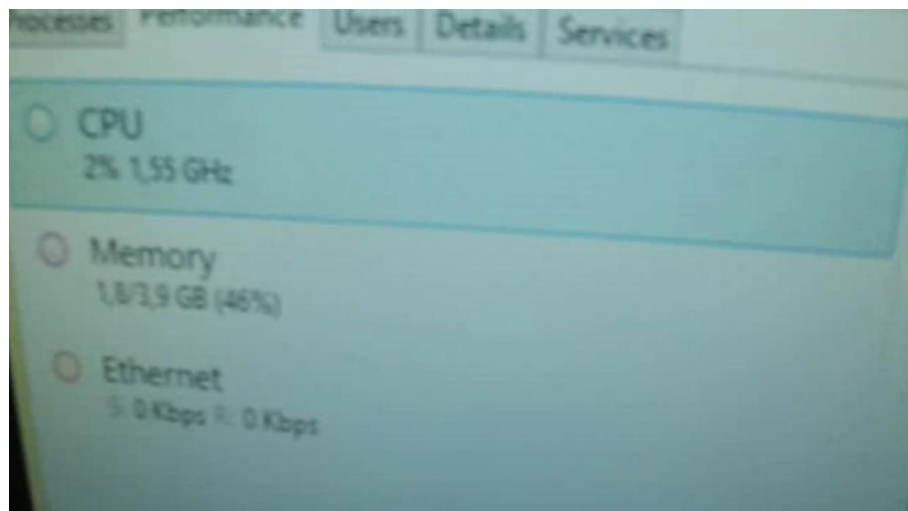
b. Excel

Mode stanby

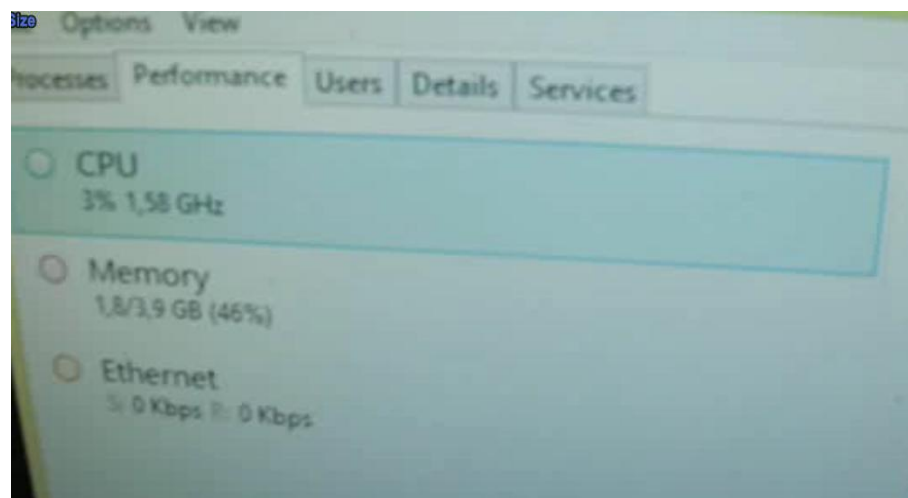
1 user



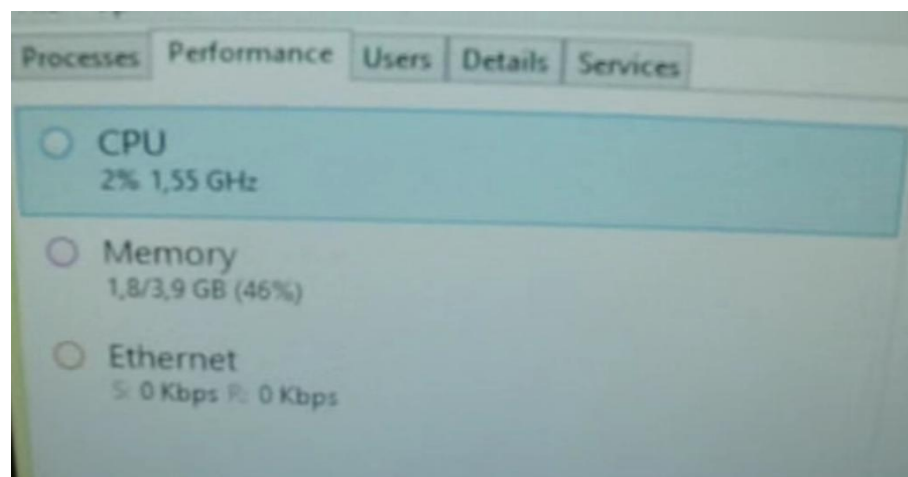
2 user



3 user



4 user

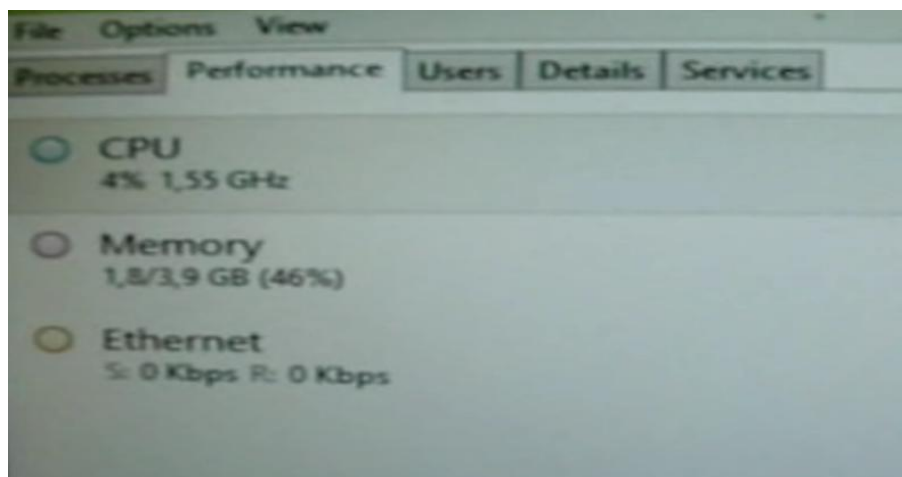


Mode aktif

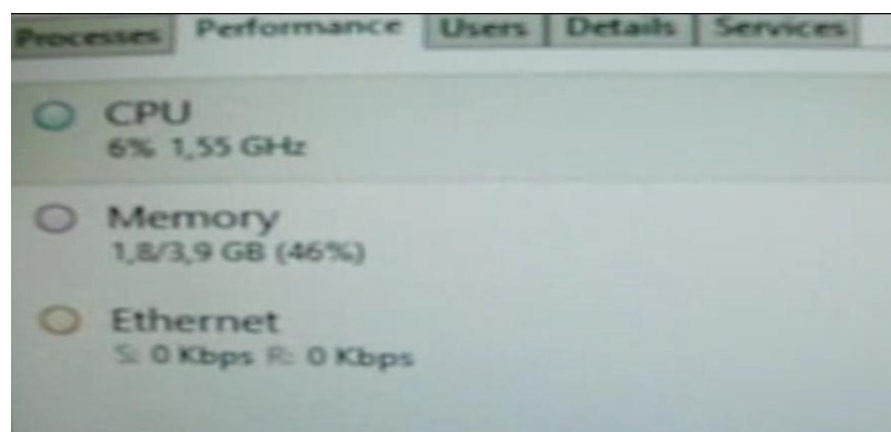
1 user



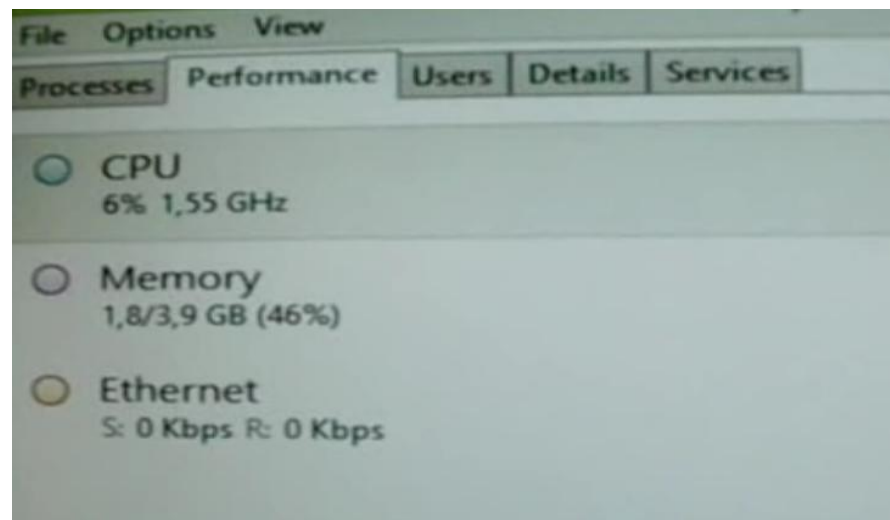
2 user



3 user



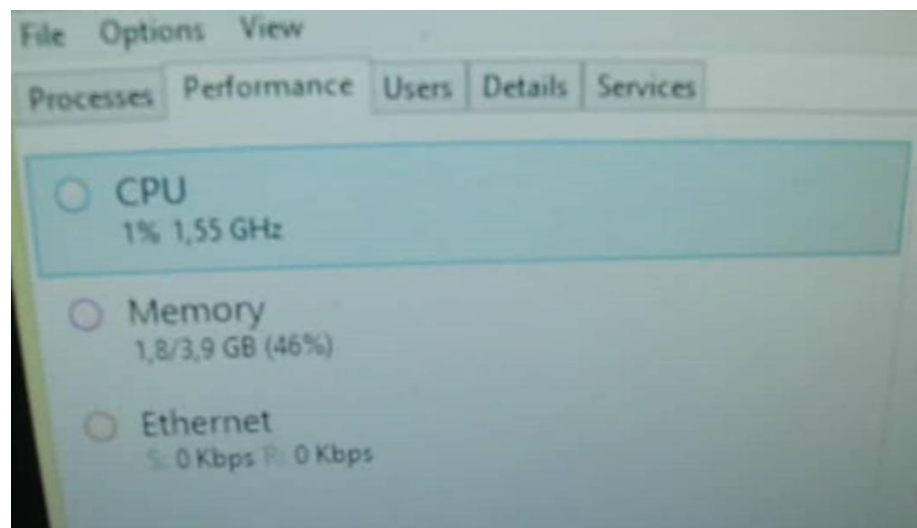
4 user



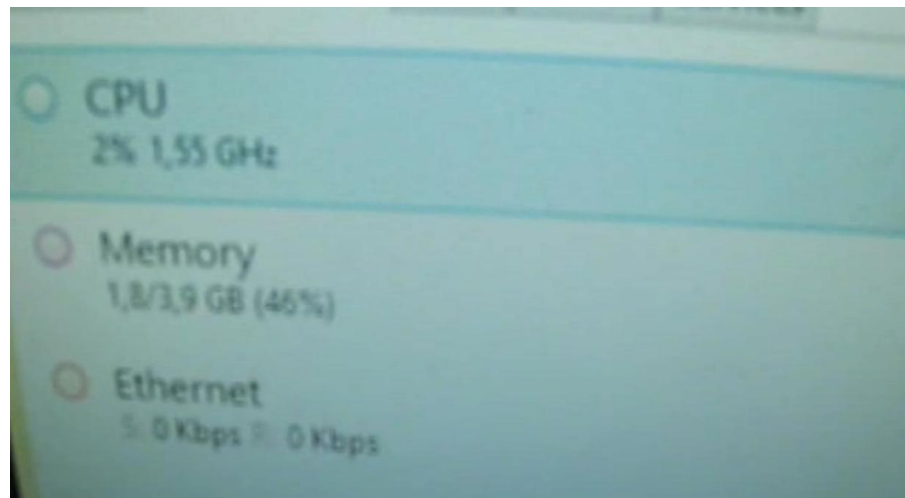
c. Power point

Mode stanby

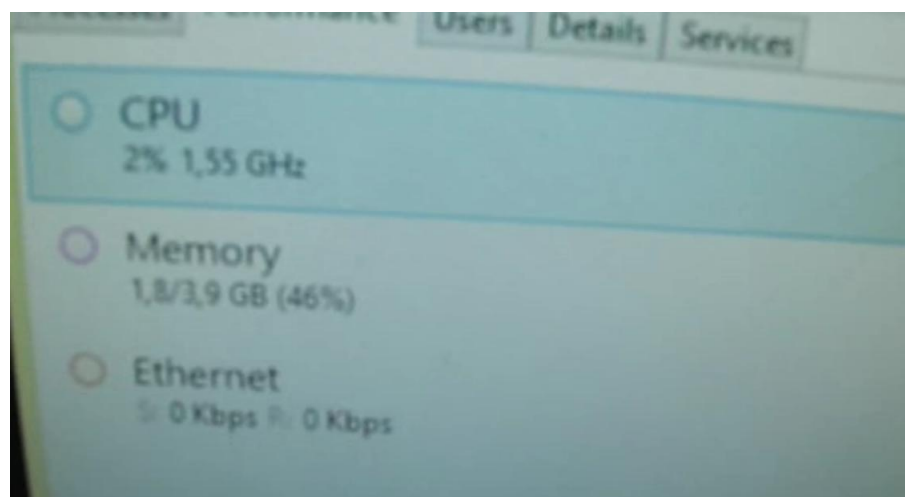
1 user



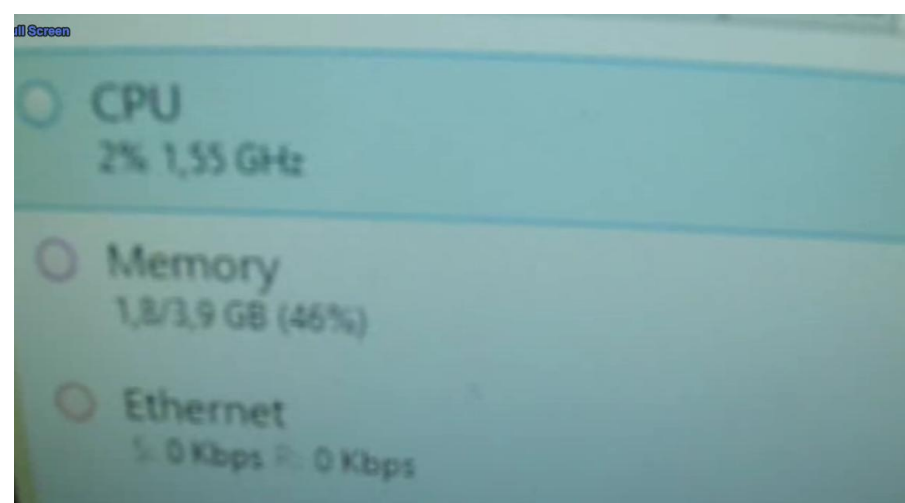
2 user



3 user

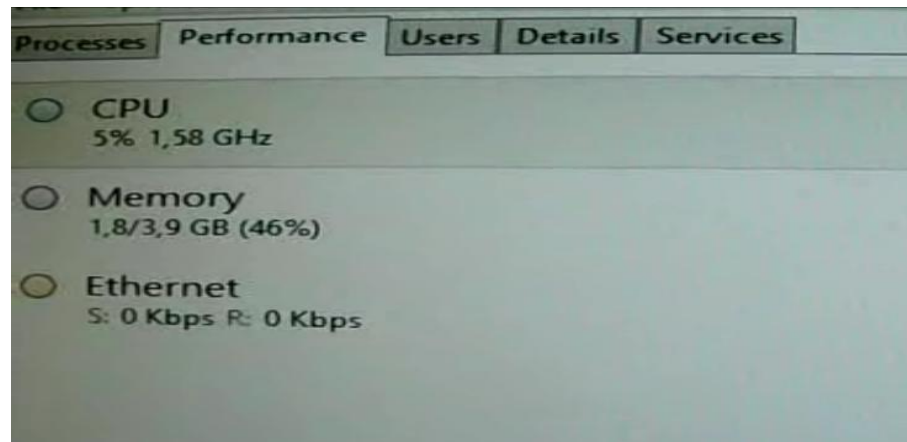


4 user

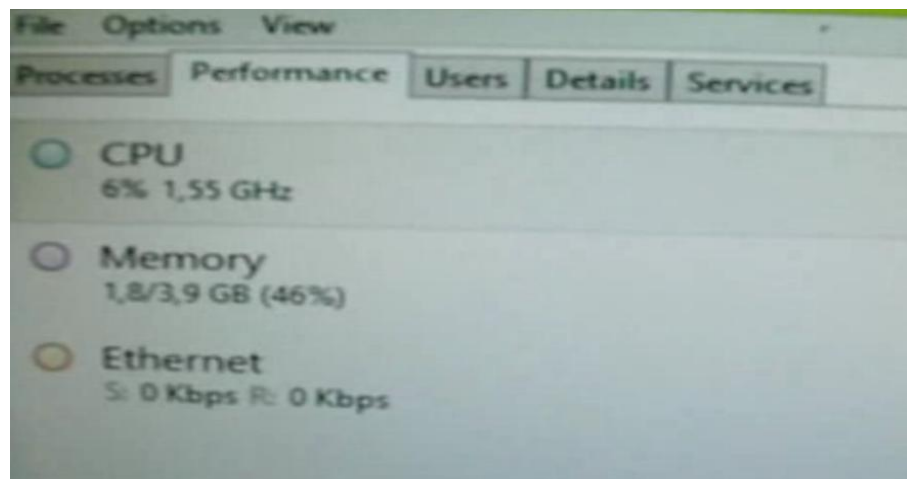


Mode aktif

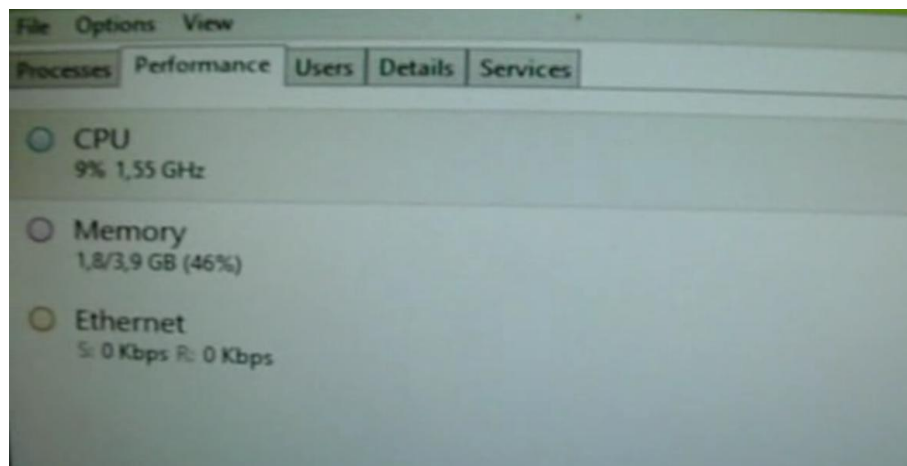
1 user



2 user



3 user



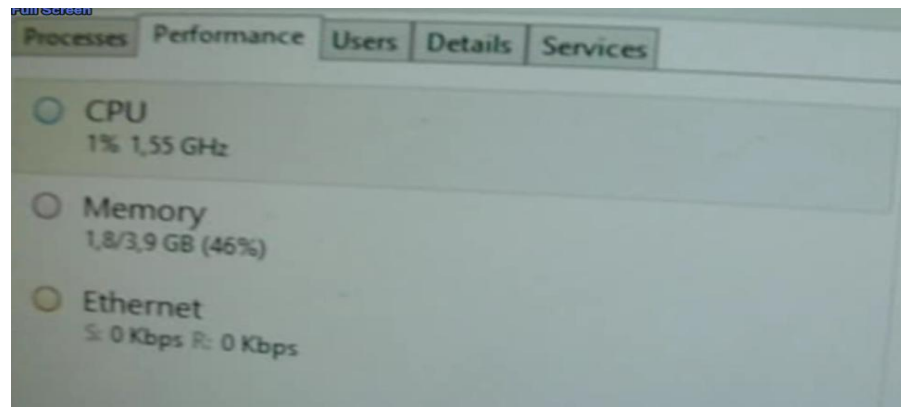
4 user



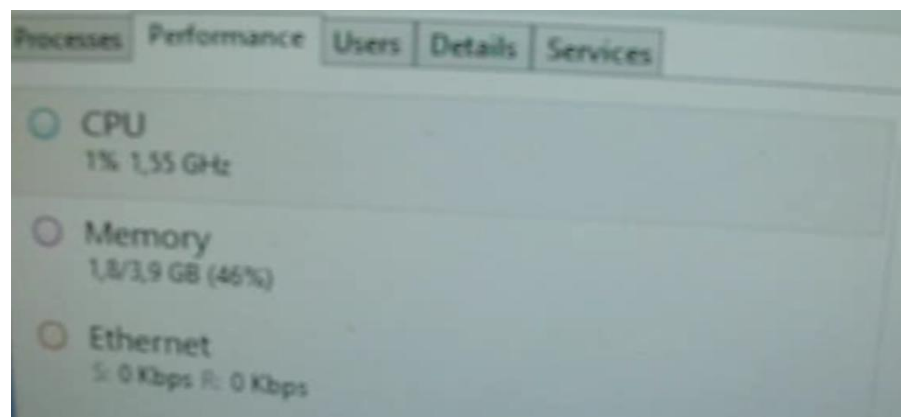
d. Google Chrome

Mode stanby

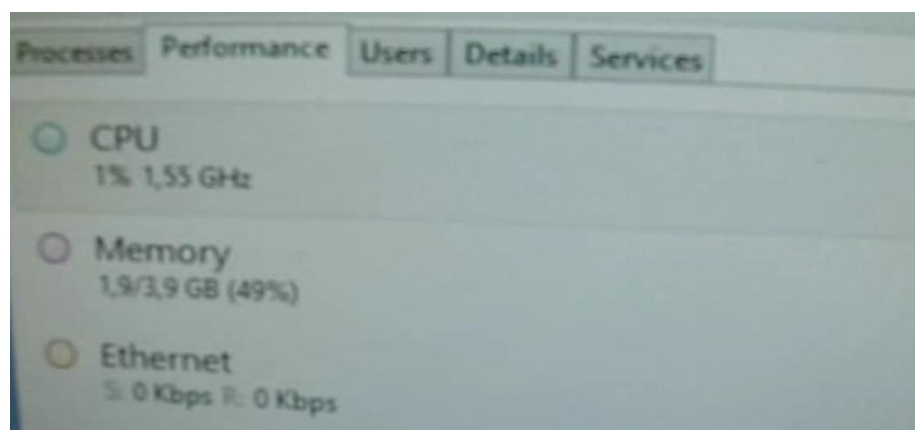
1 user



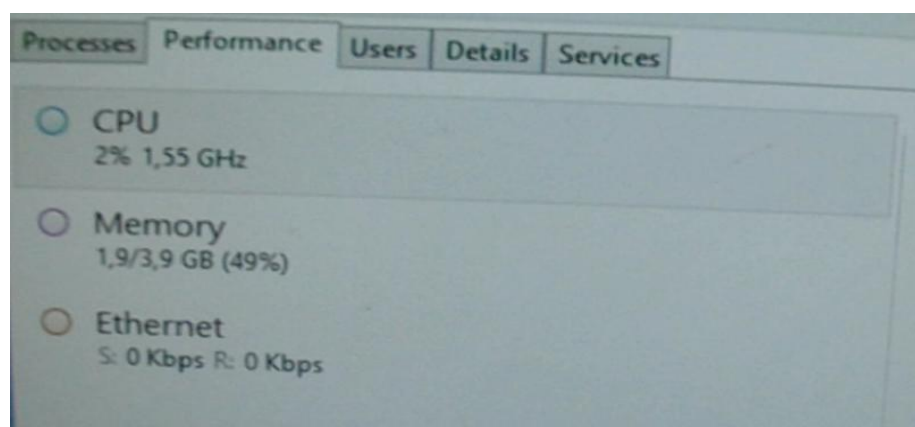
2 user



3 user

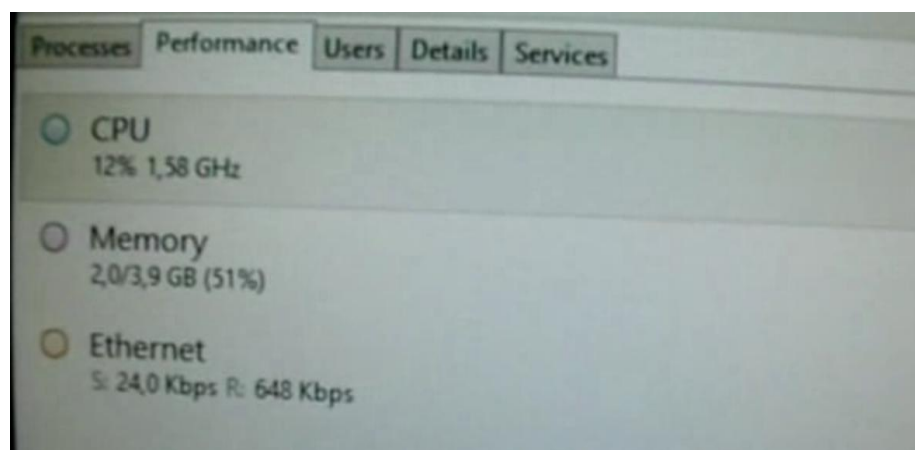


4 user



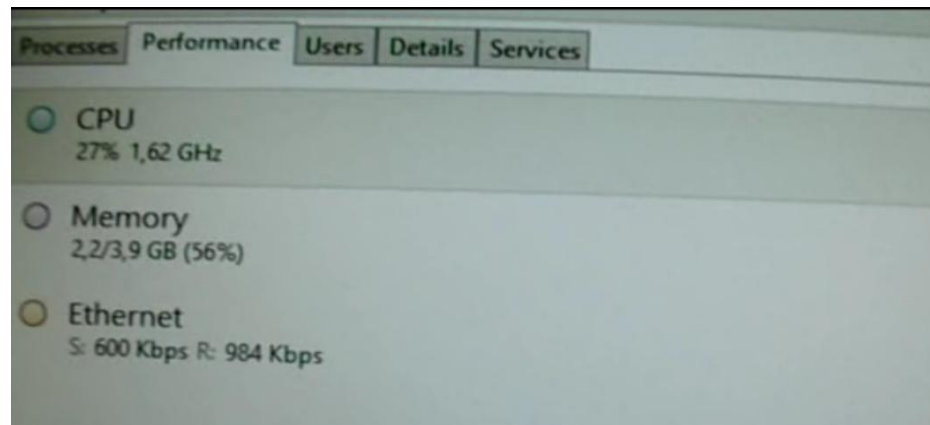
Modce aktif

1 user

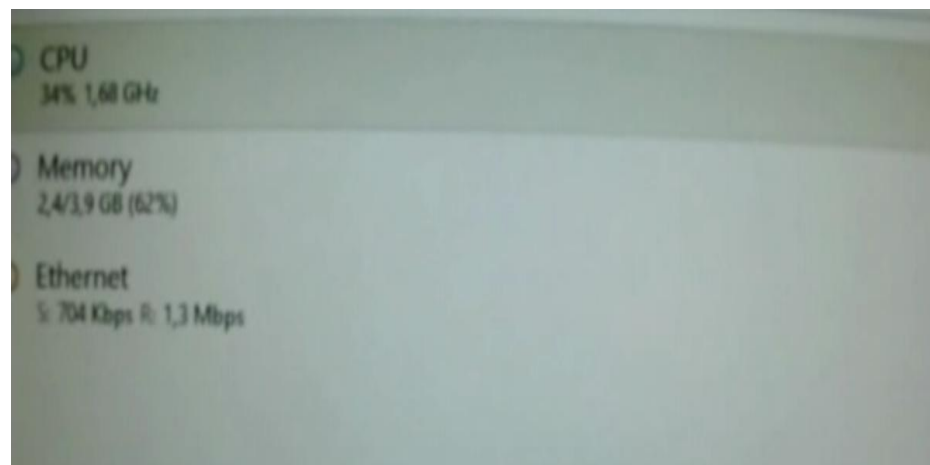




2 user



3 user



4 user

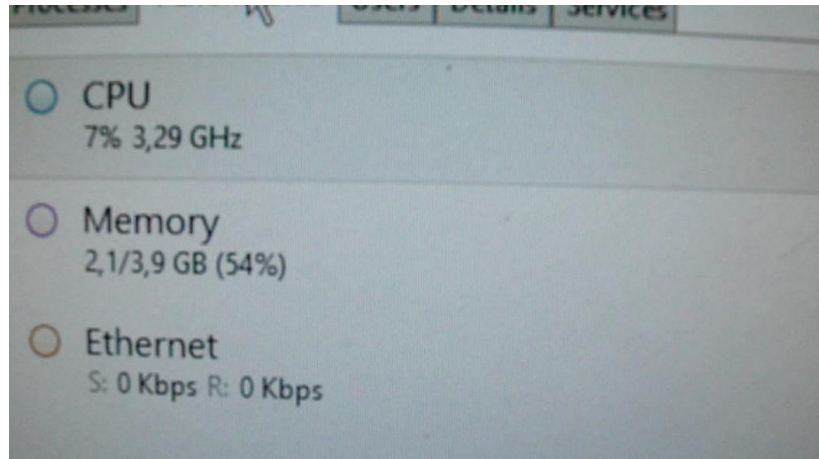


➤ Aplikasi multimedia

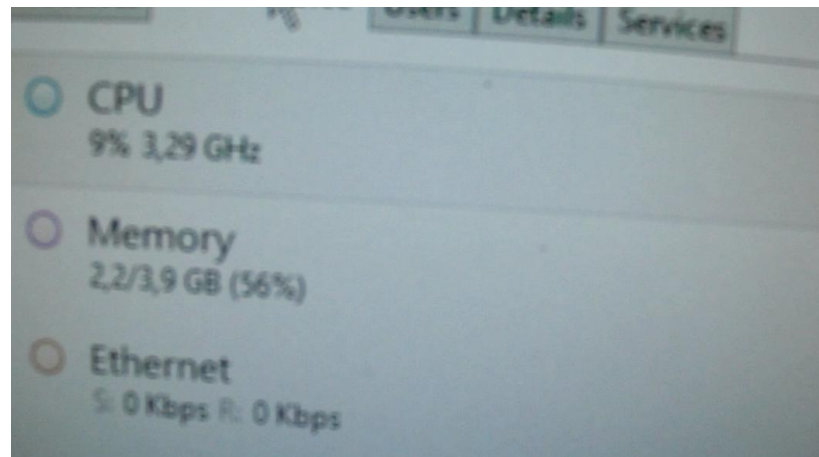
a. Adobe Flash CS6

Mode standby

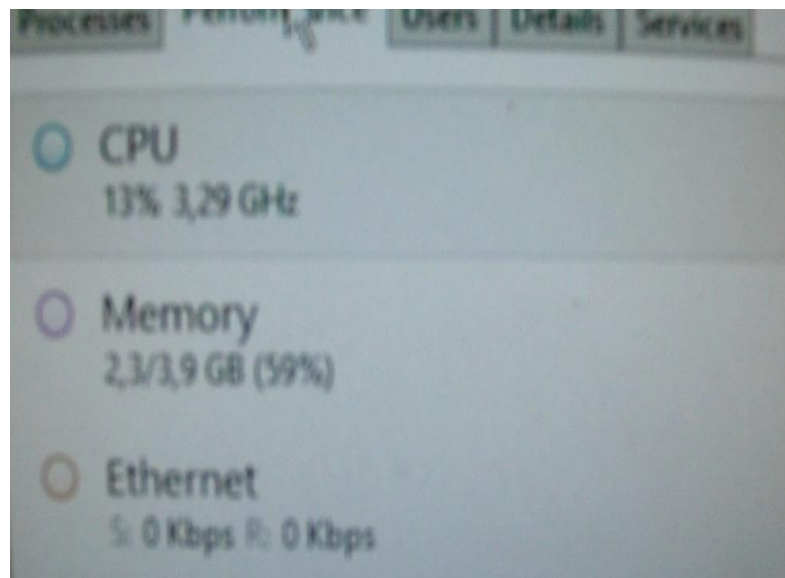
1 user



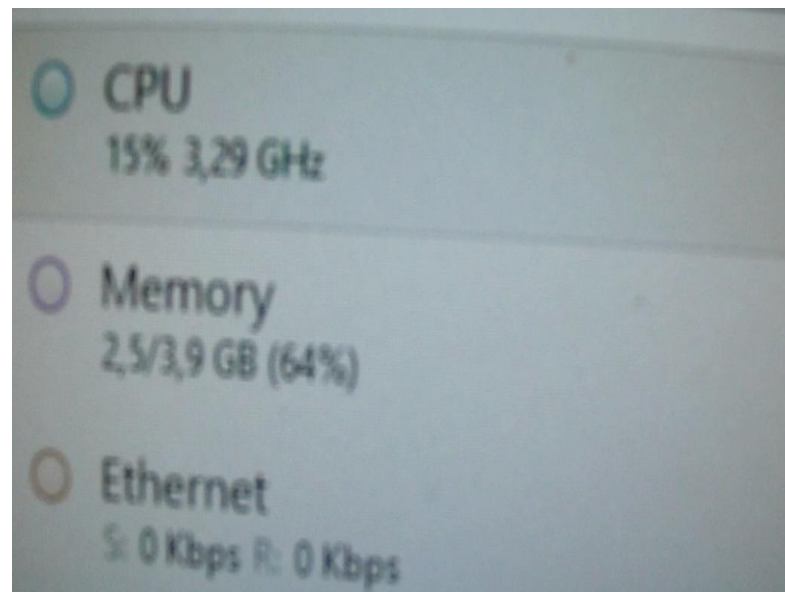
2 user



3 user

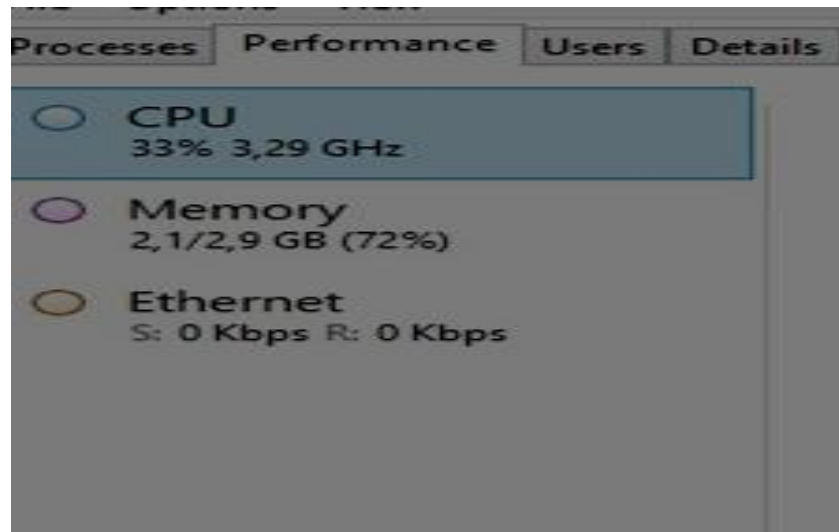


4 user

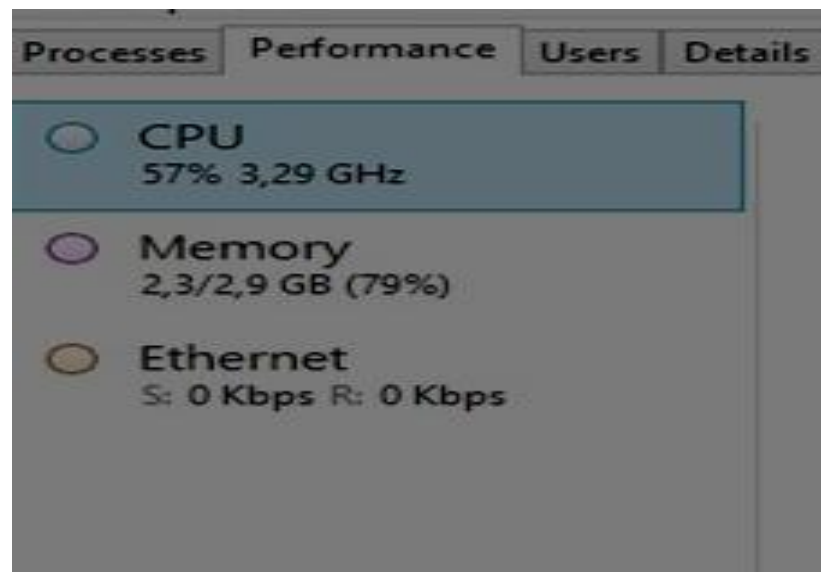


Mode aktif

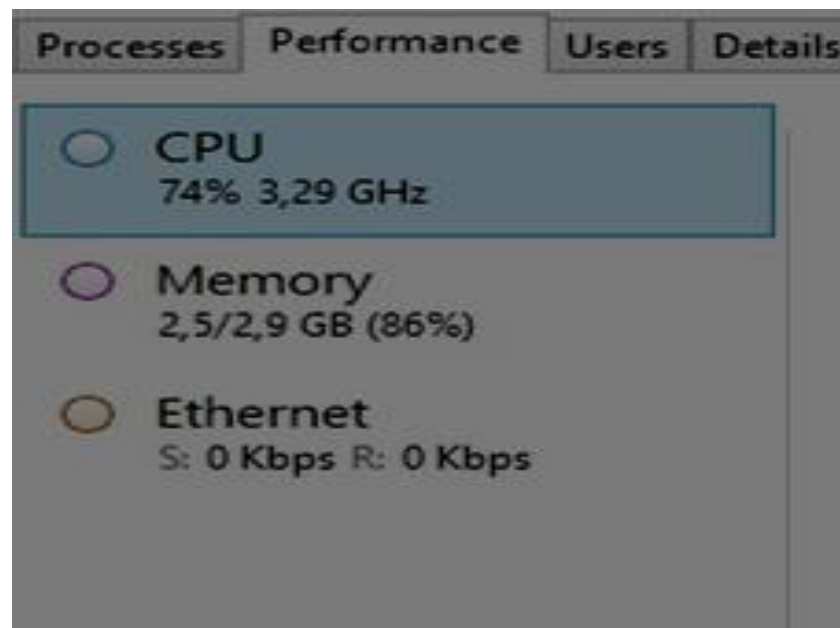
1 user



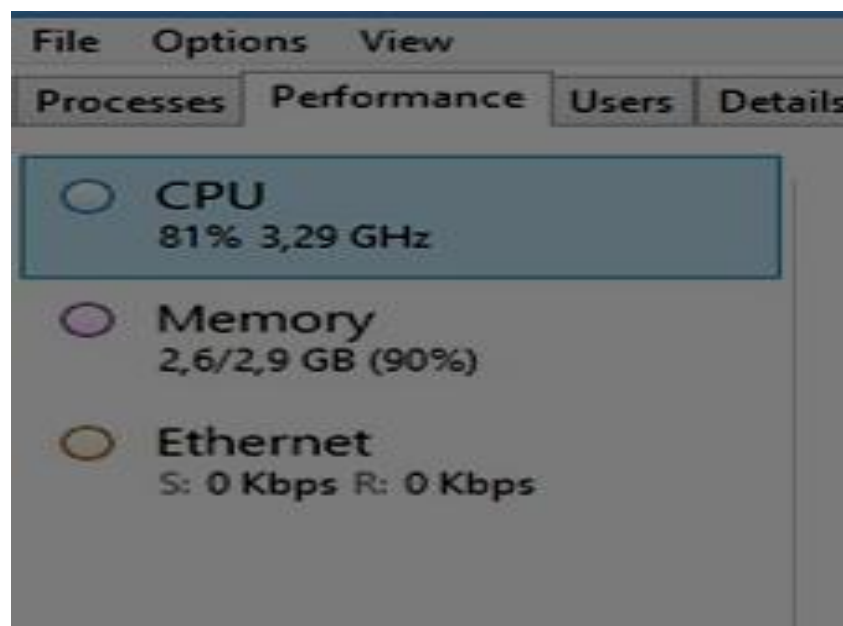
2 user



3 user



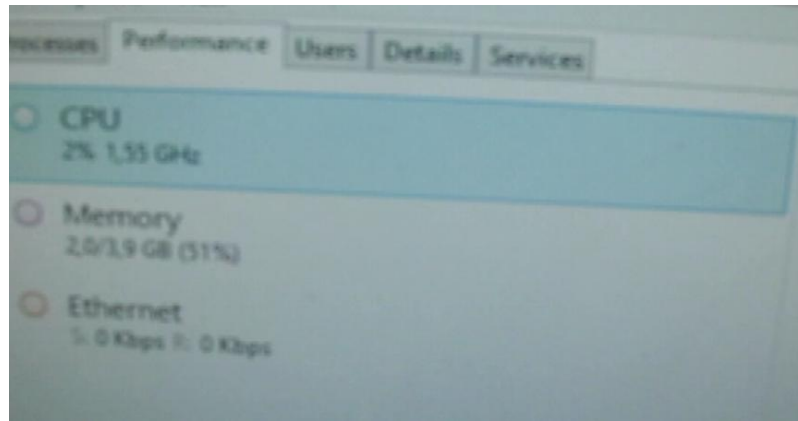
4 user



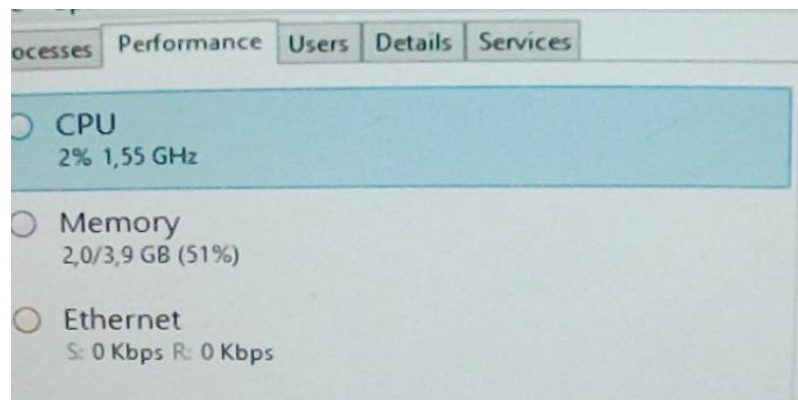
b. Camtasia Studio

Mode stanby

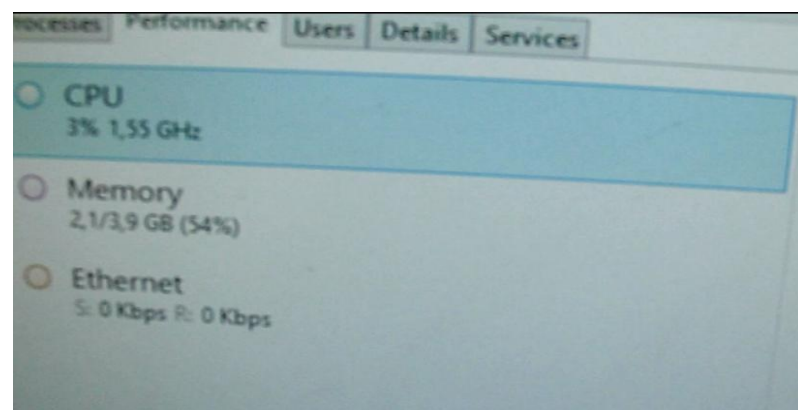
1 user



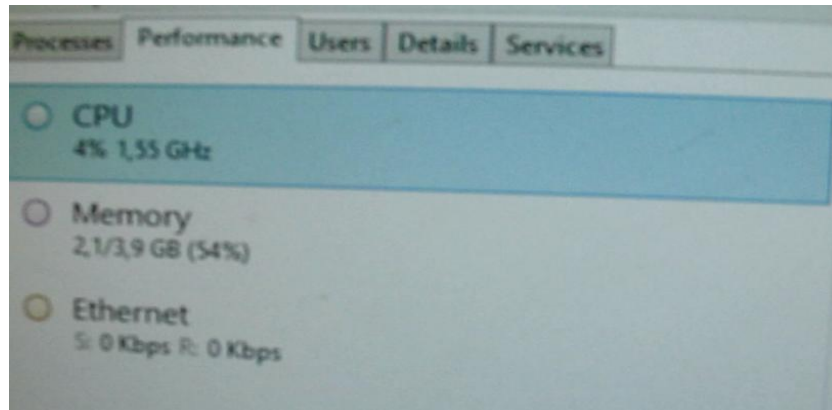
2 user



3 user

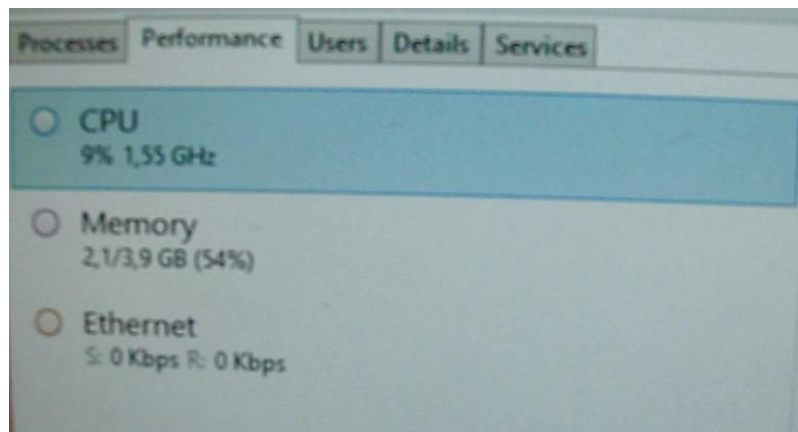


4 user

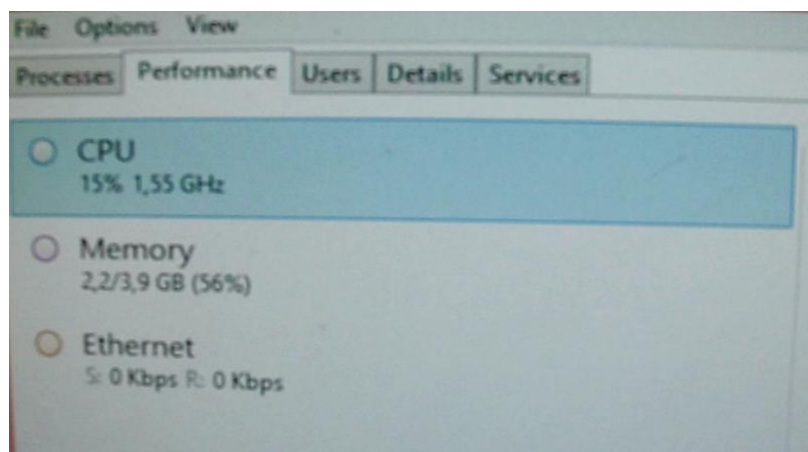


Mode aktif

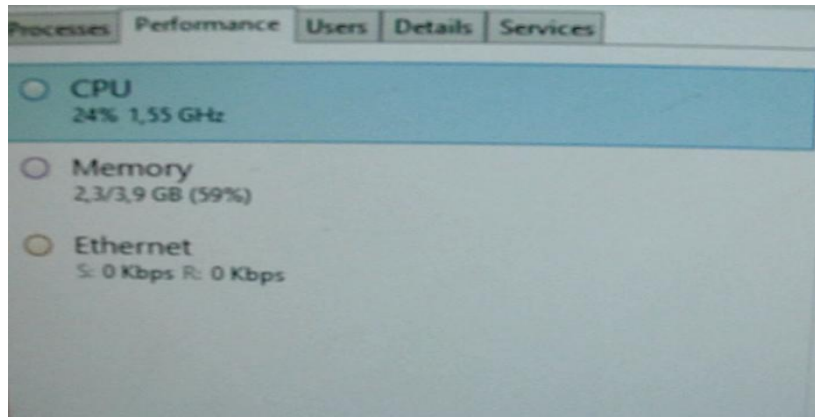
1 user



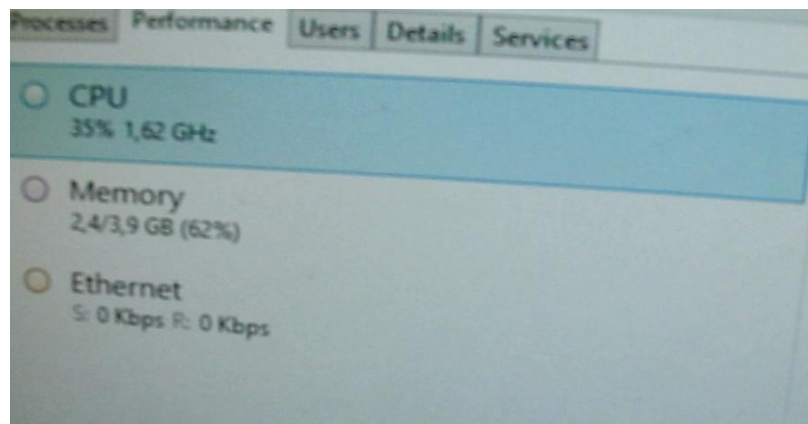
2 user aktif



3 user



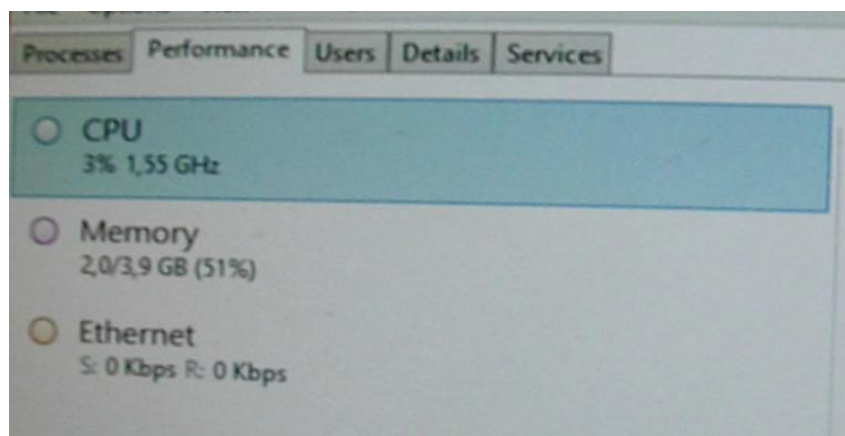
4 user



c. KMP

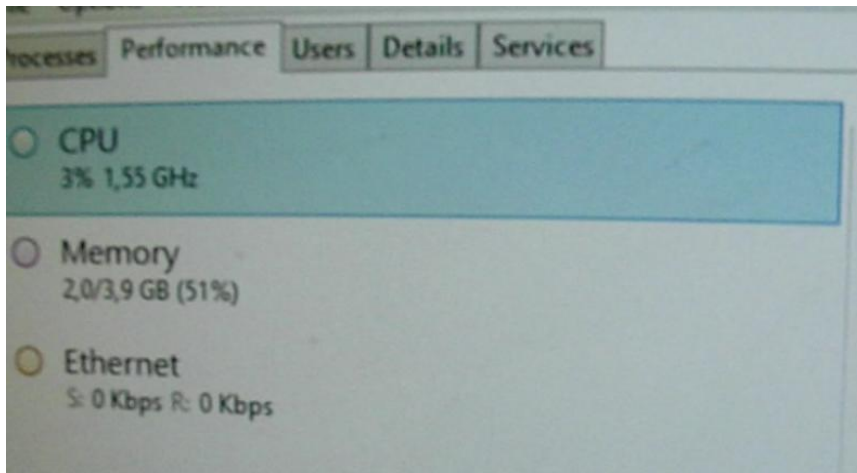
Mode standby

1 user

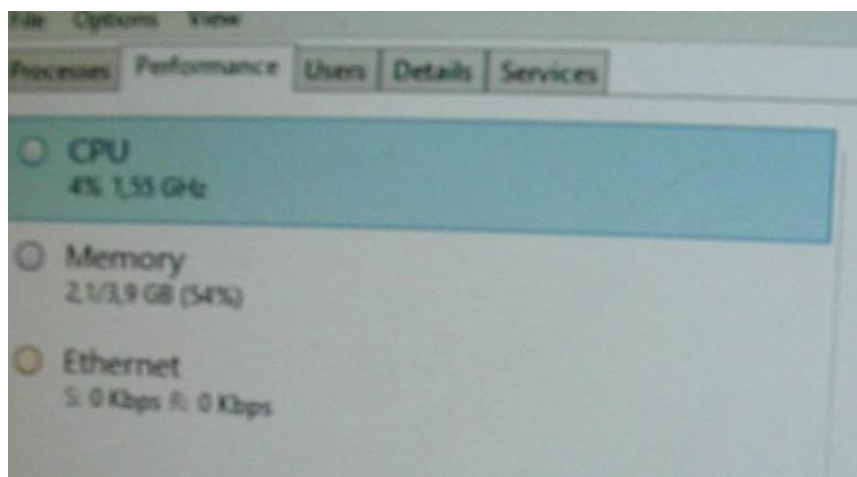


2 user

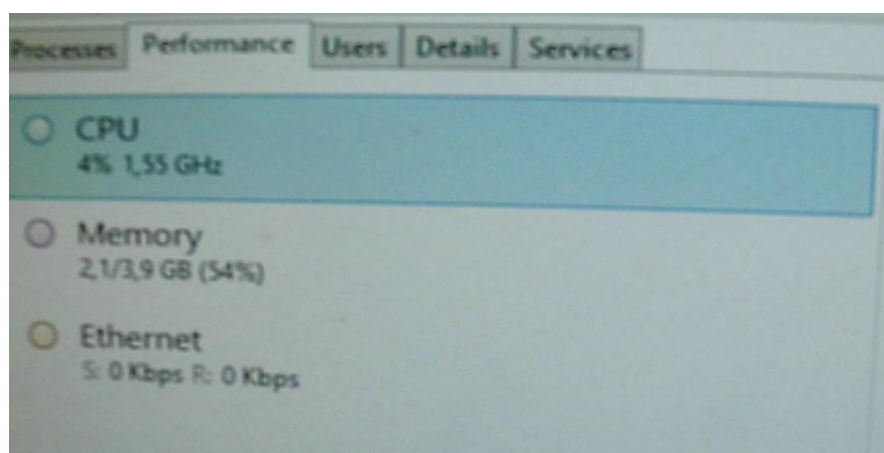




3 user

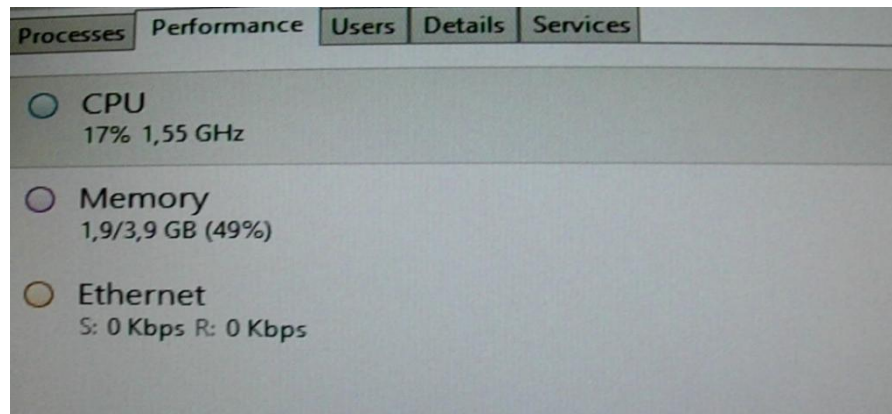


4 user

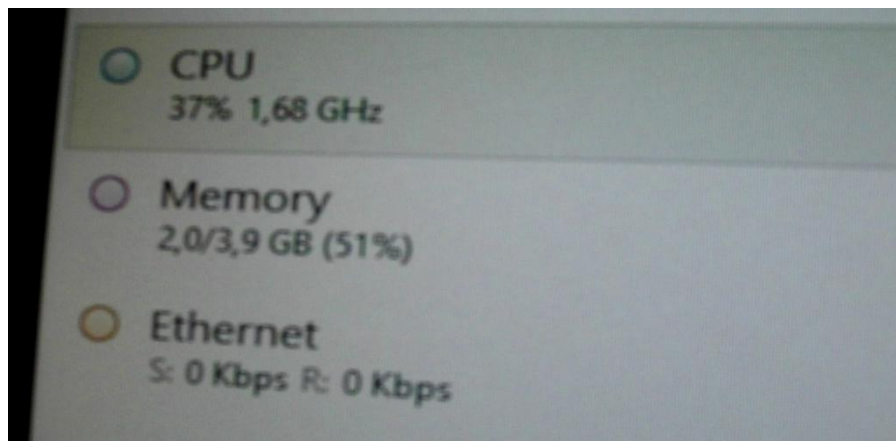


Mode aktif

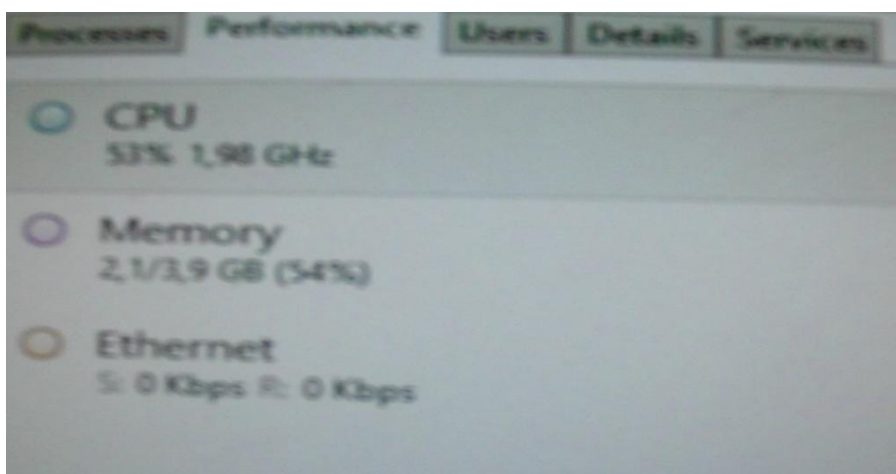
1 user



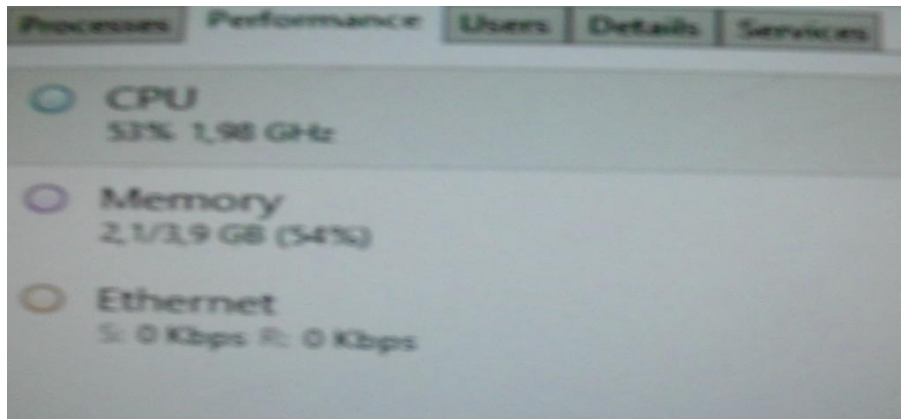
2 user



3 user aktif



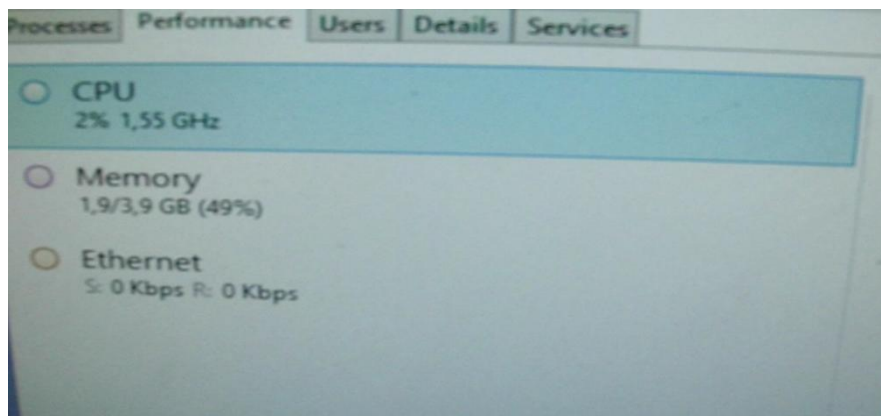
4 user



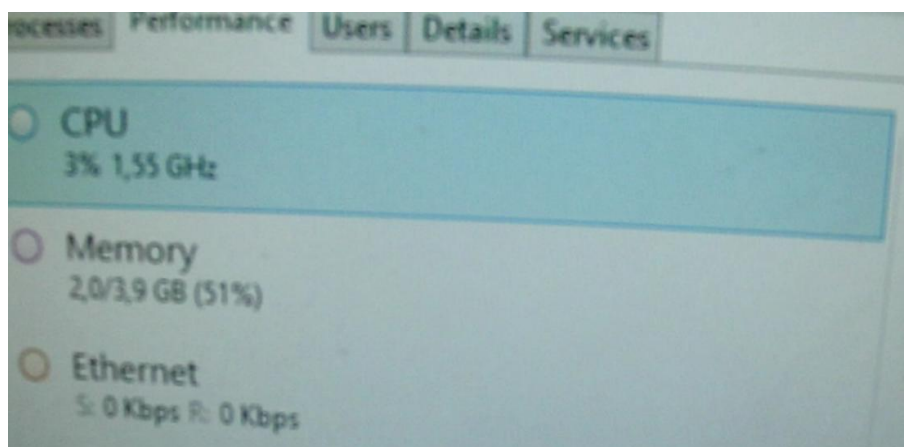
d. Winamp

Mode stanby

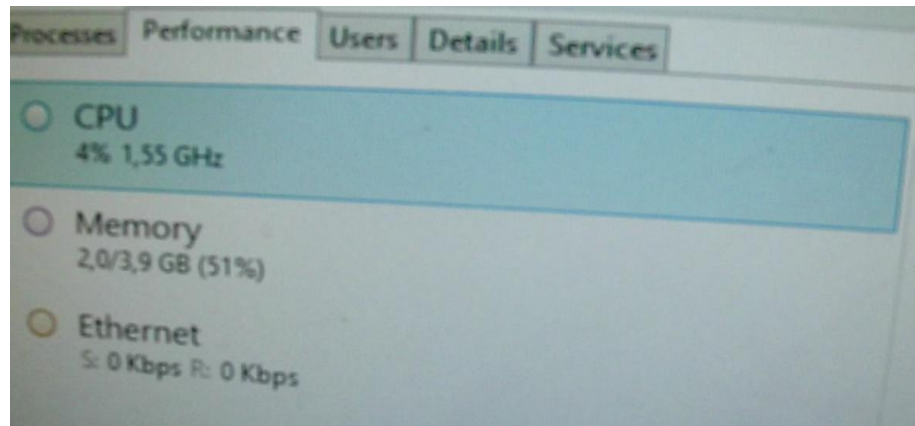
1 user



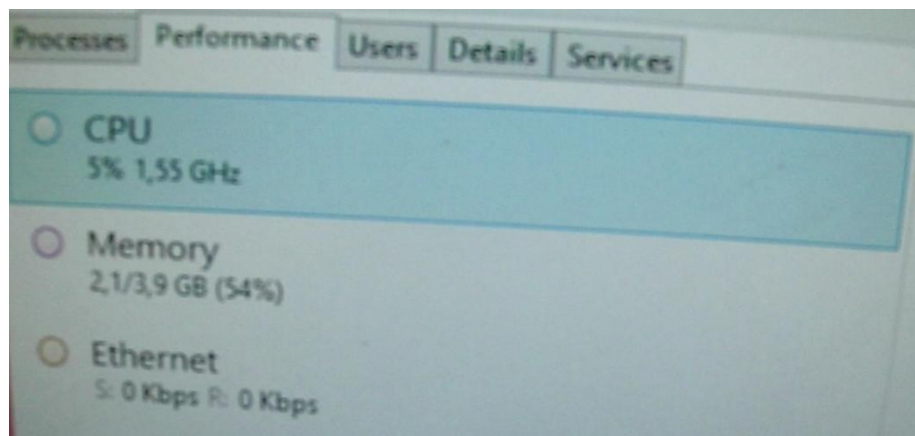
2 user



3 user

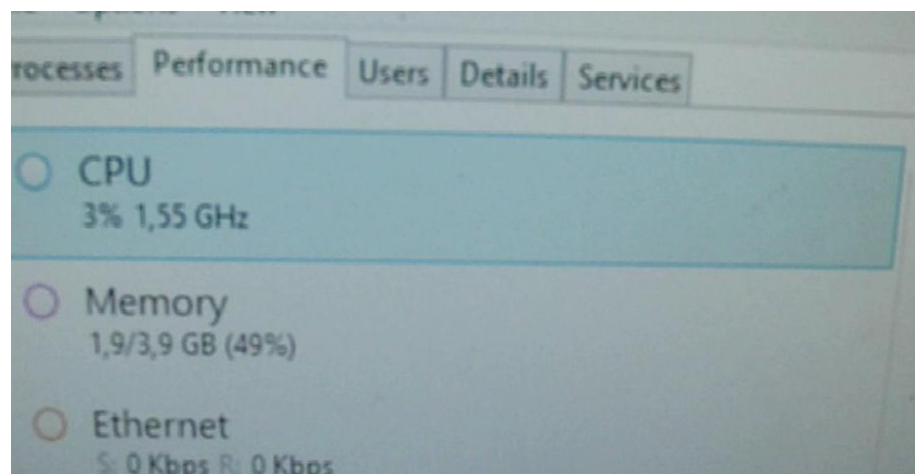


4 user

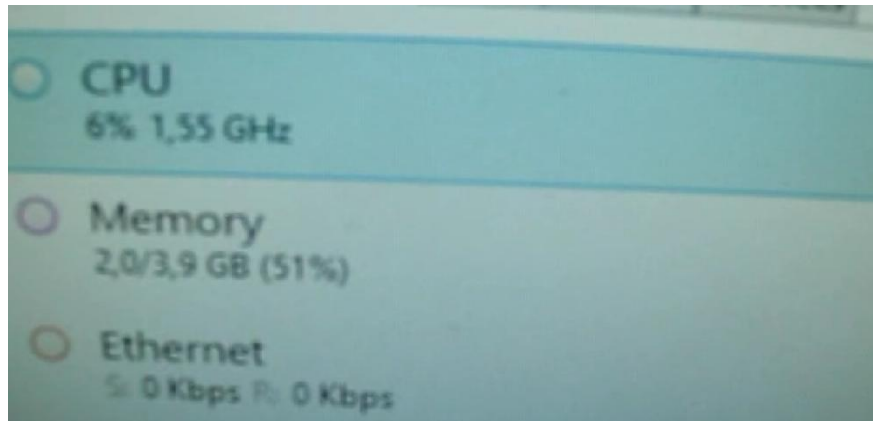


Mode aktif

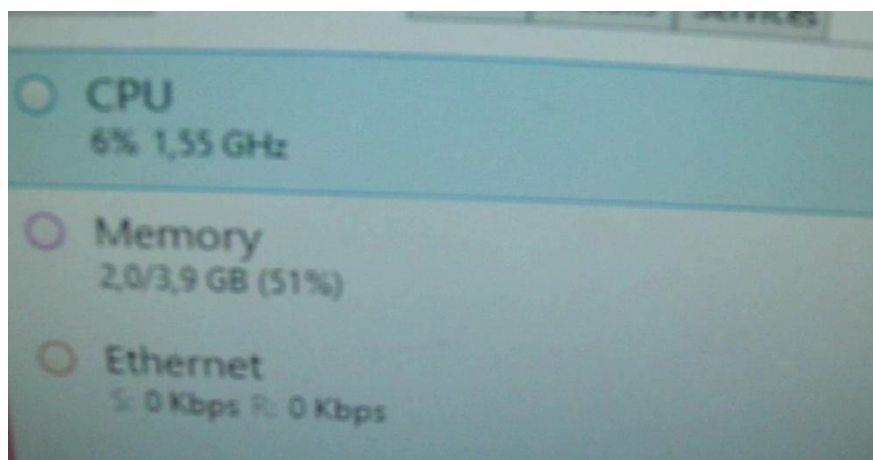
1 user



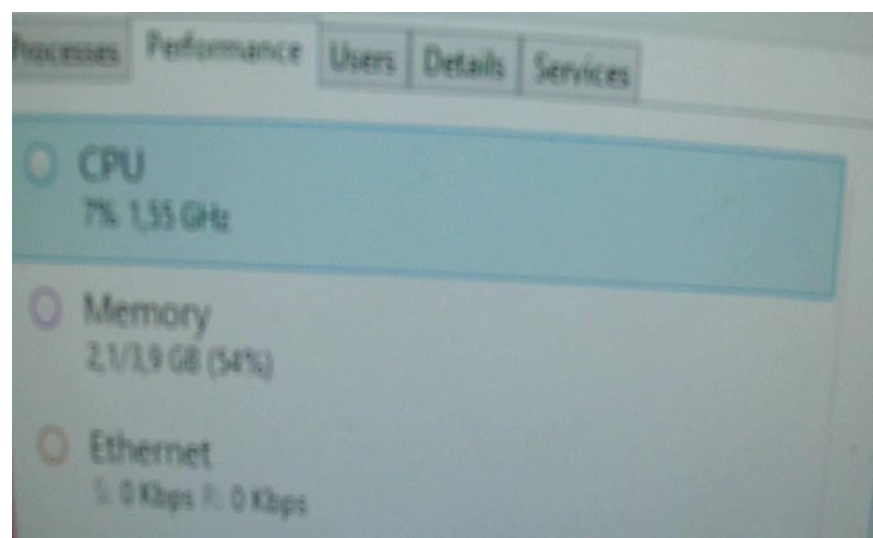
2 user



3 user



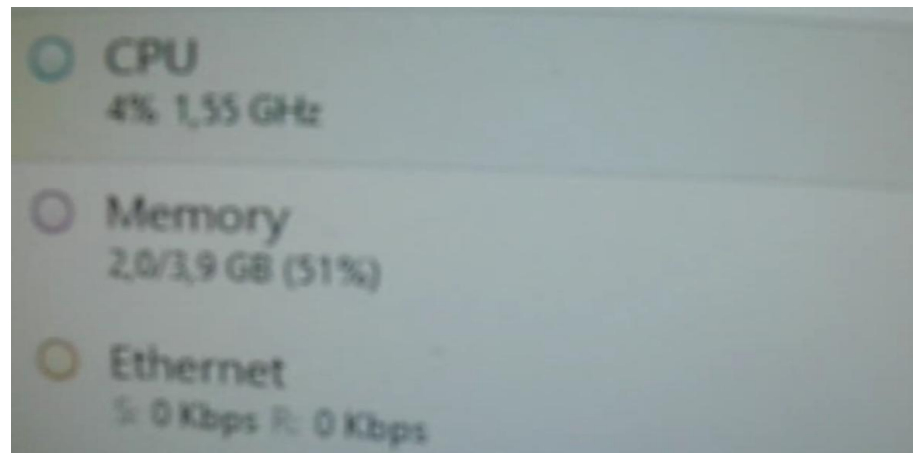
4 user



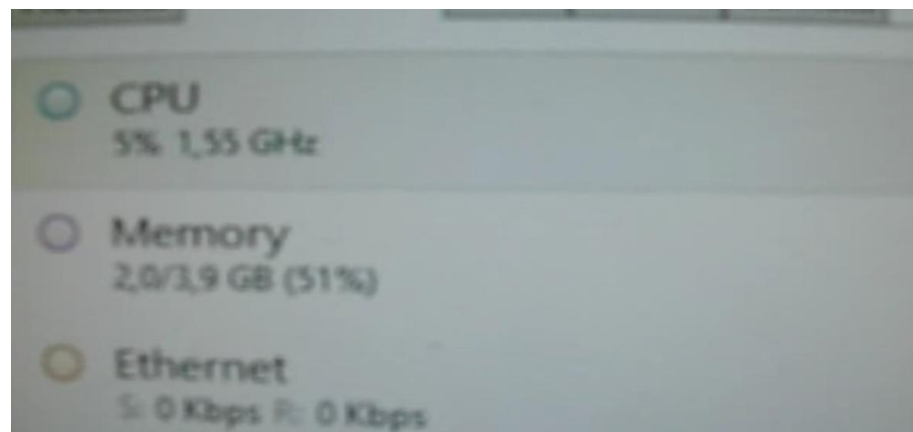
e. Captivate

Mode stanby

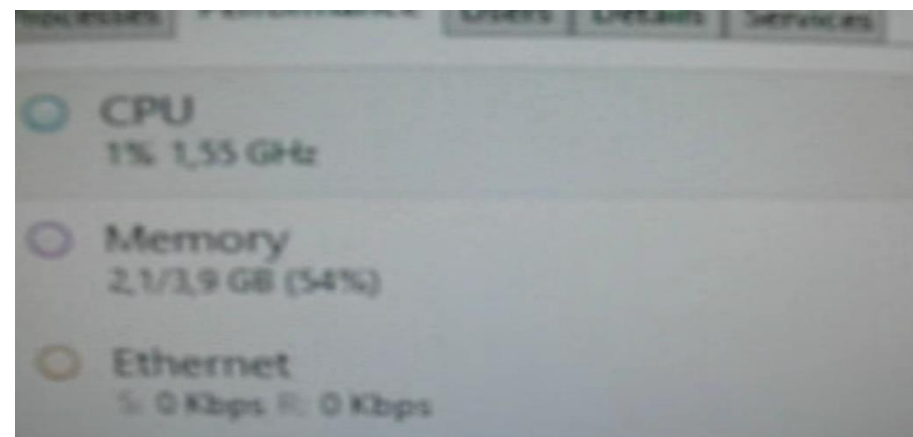
1 user



2 user

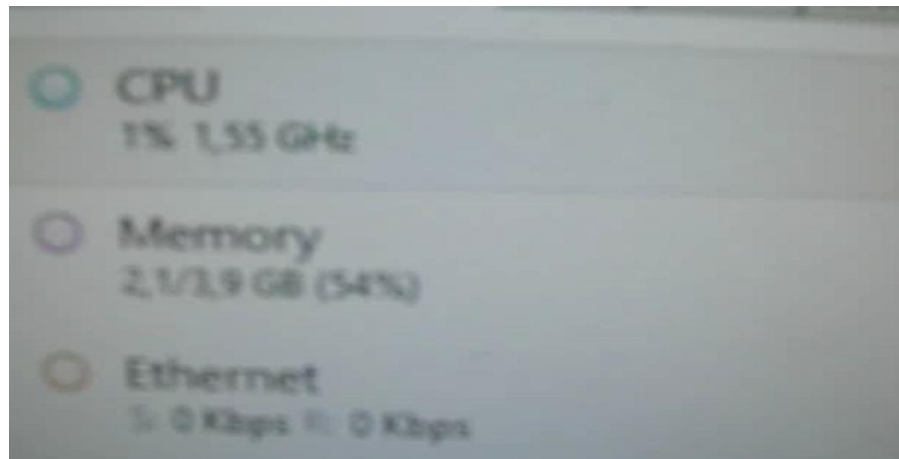


3 user



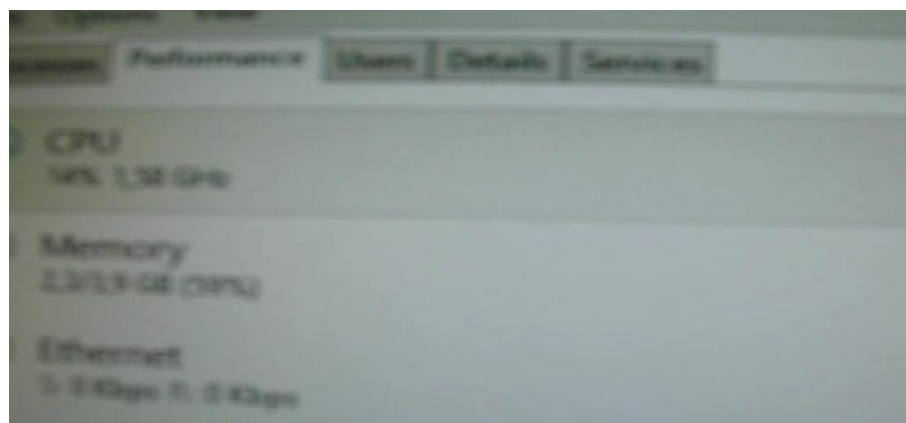
4 user



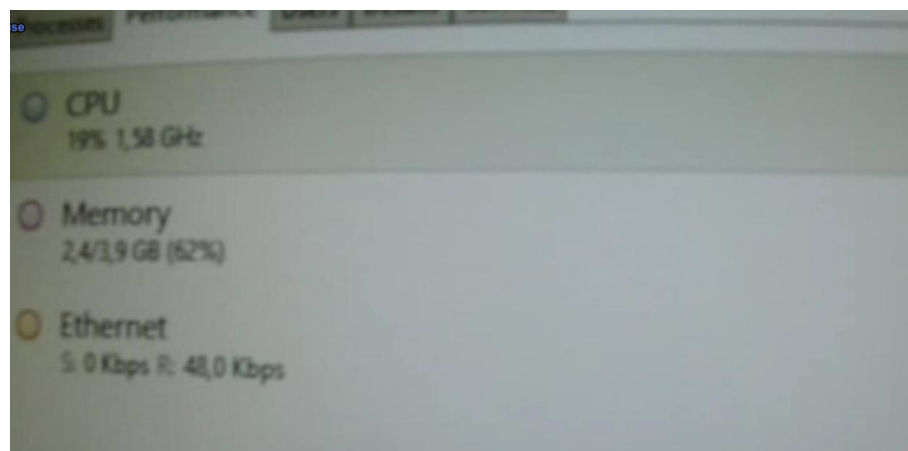


Mode aktif

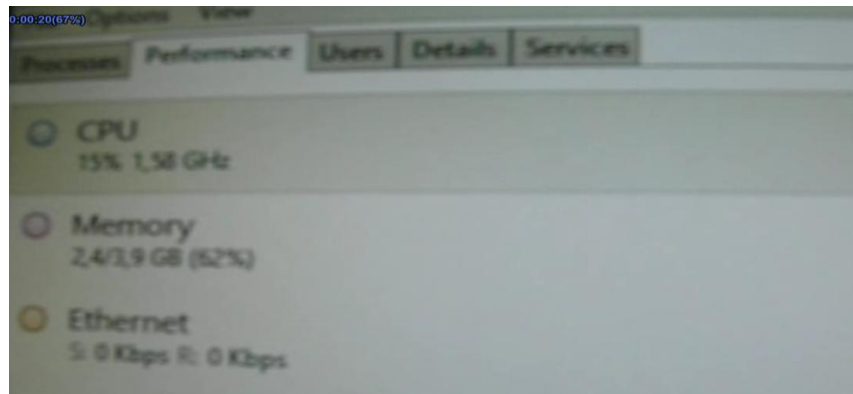
1 user



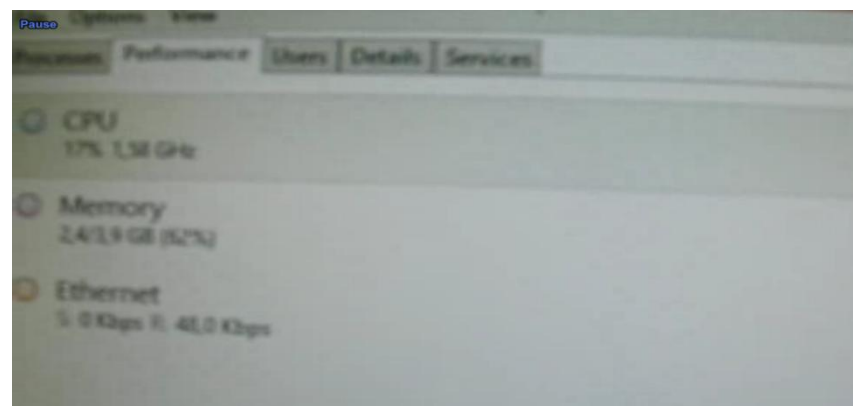
2 user



3 user



4 user

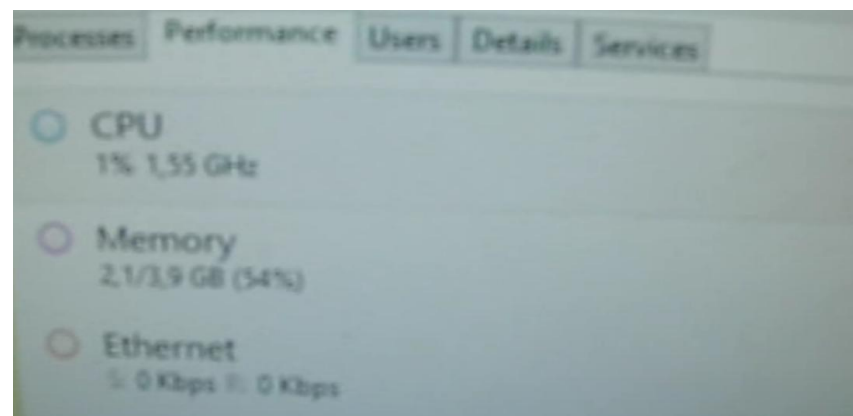


➤ Aplikasi Grafis

a. Coreldraw

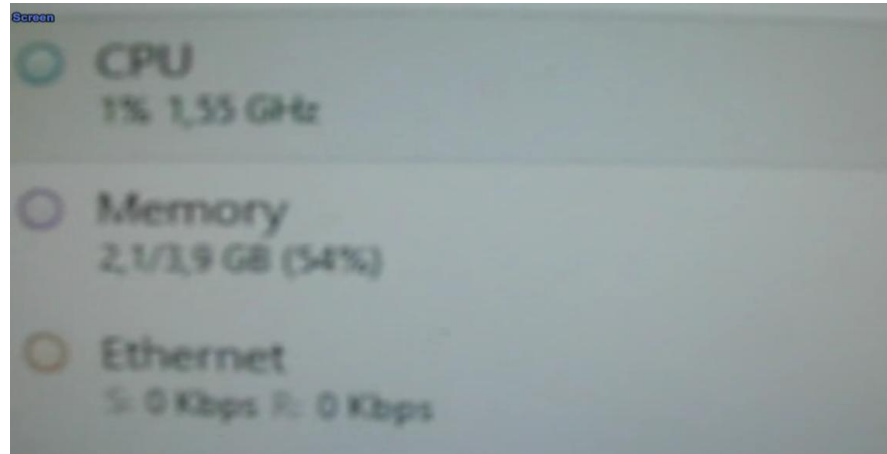
Mode stanby

1 user

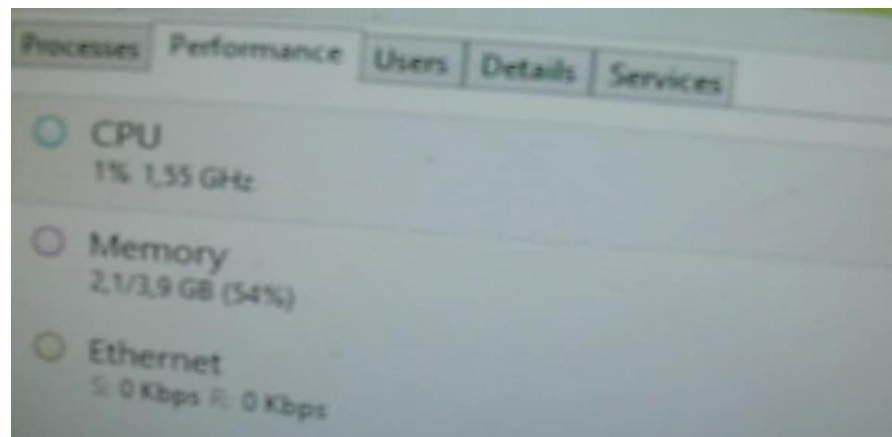


2 user

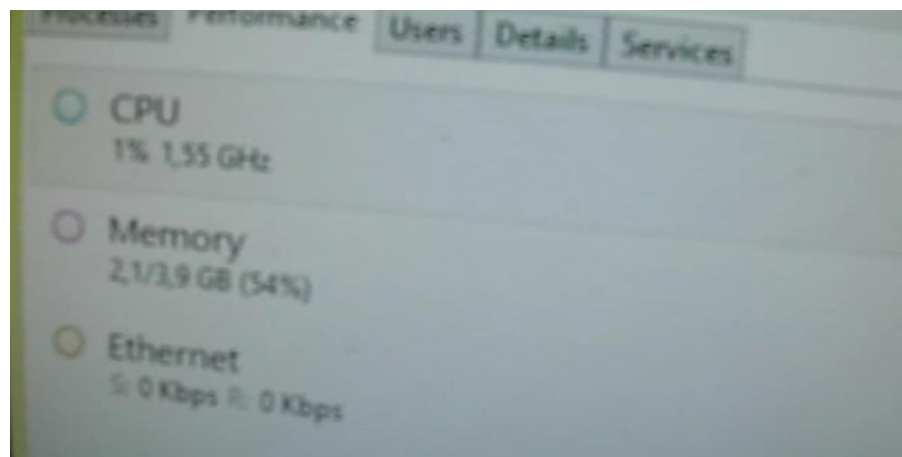




3 user

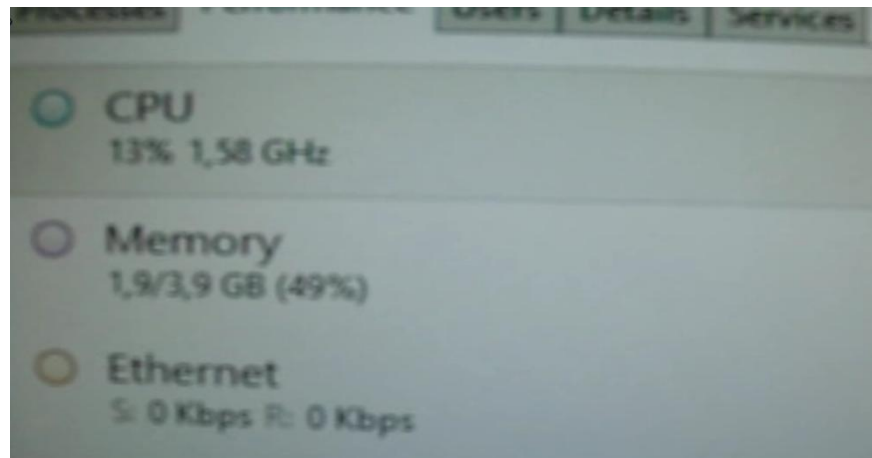


4 user

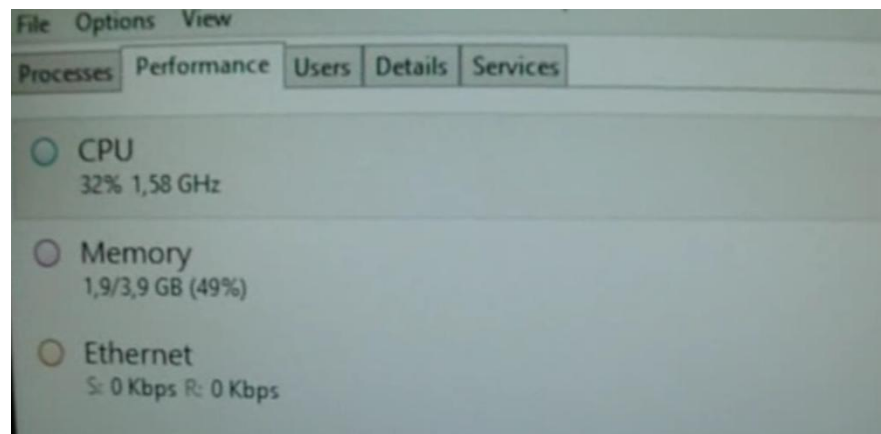


Mode aktif

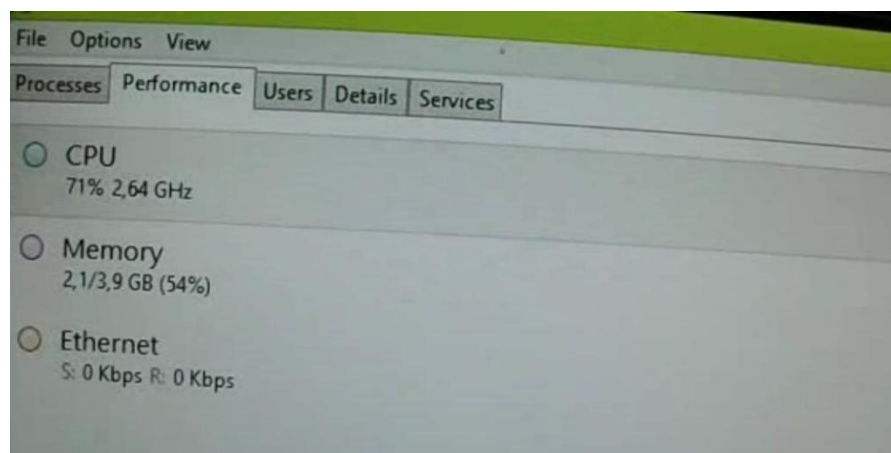
1 user



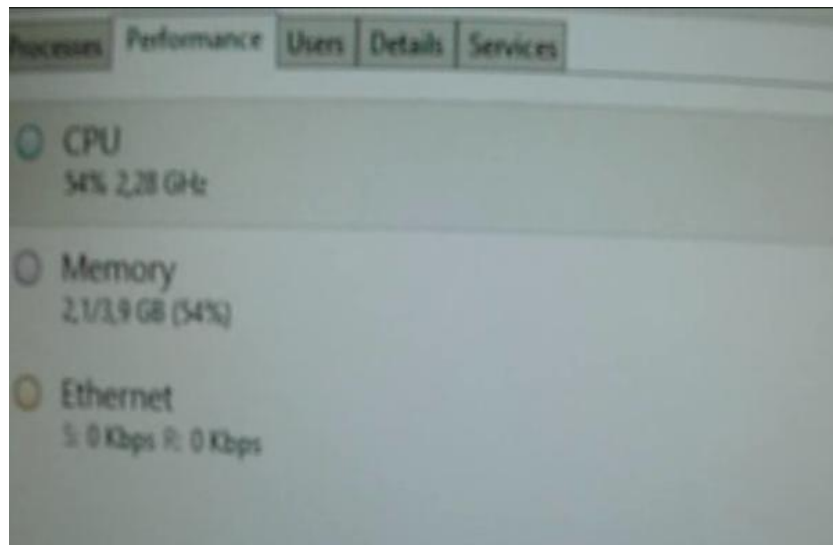
2 user



3 user



4 user



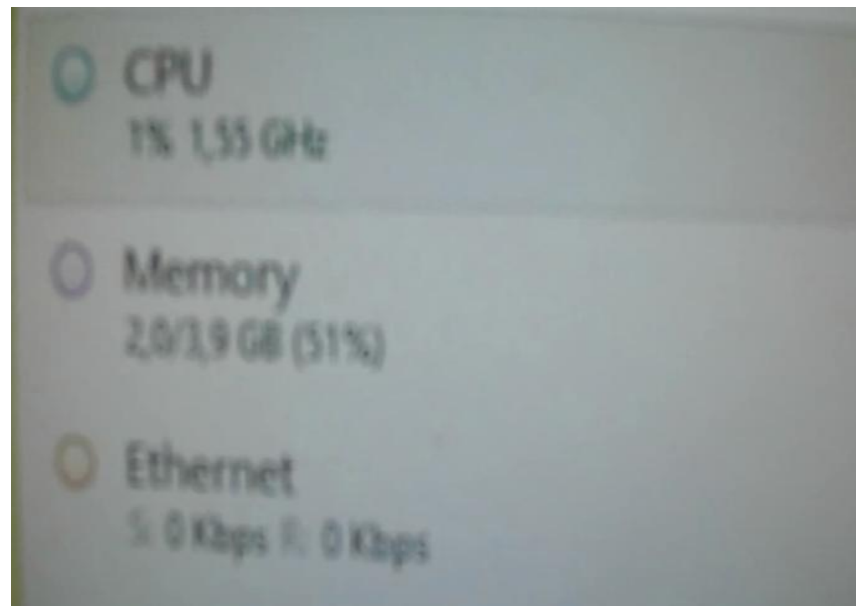
b. Adobe Photoshop

Mode stanby

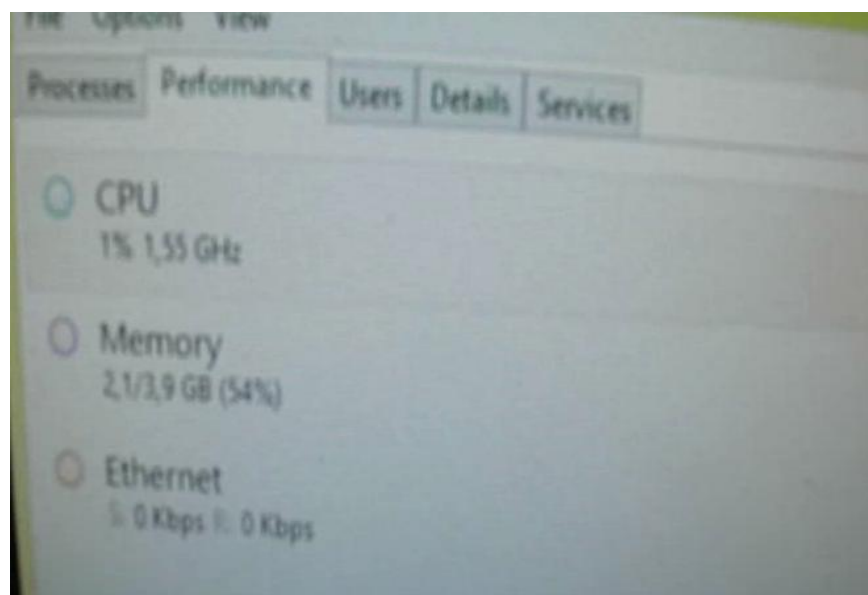
1 user



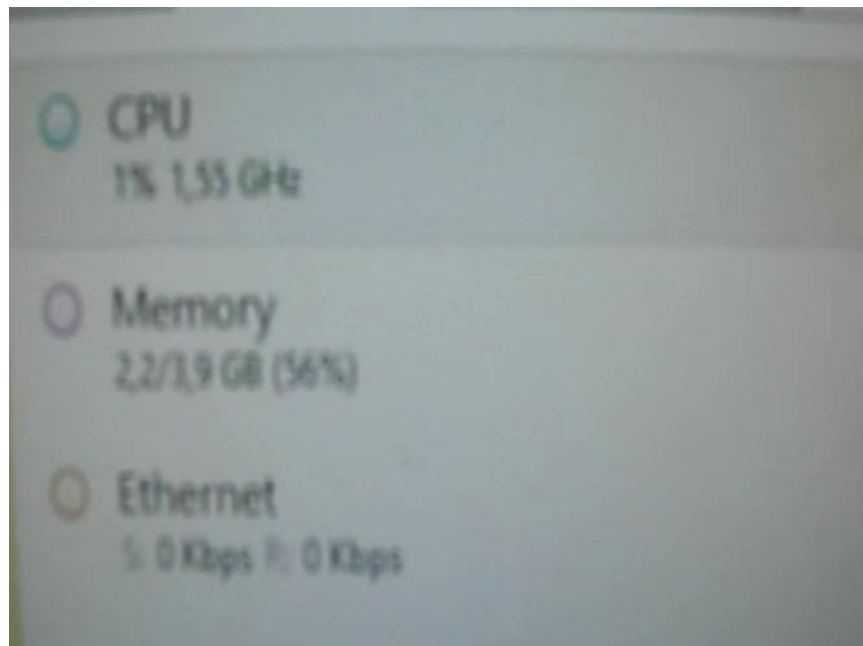
2 user



3 user

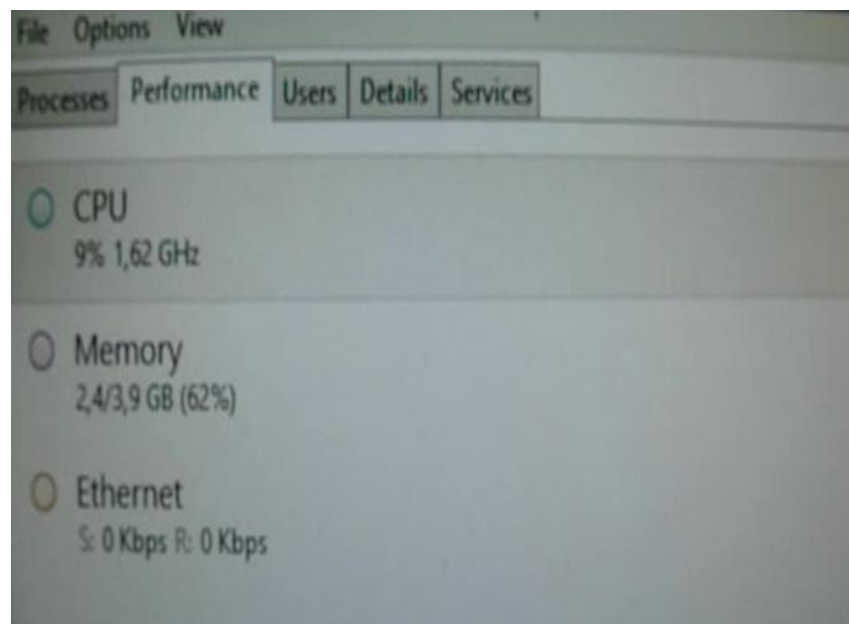


4 user



Mode aktif

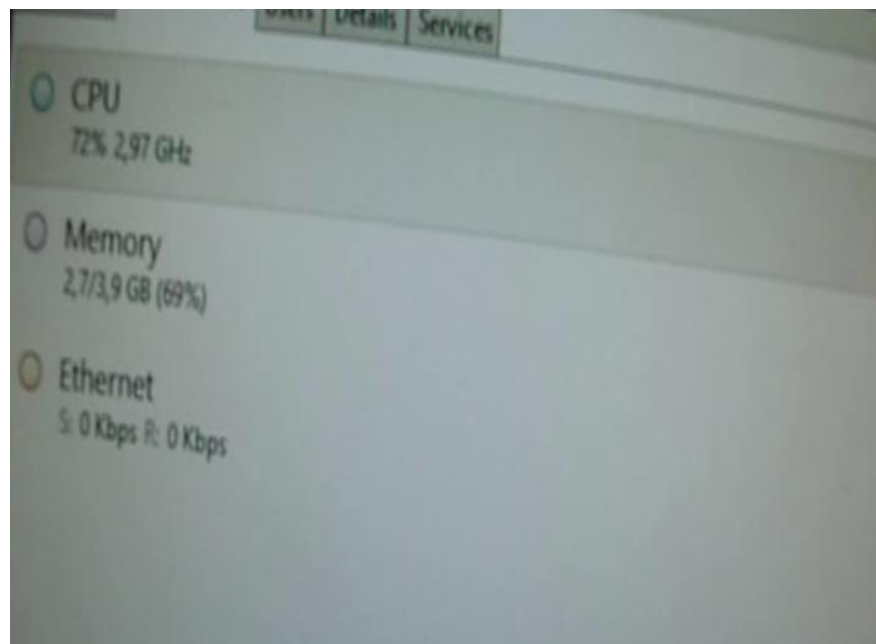
1 user



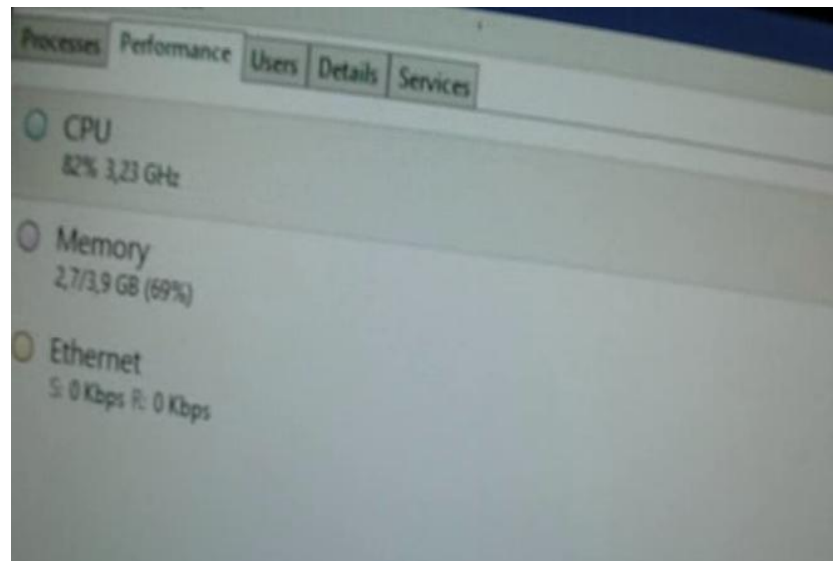
2 user



3 user

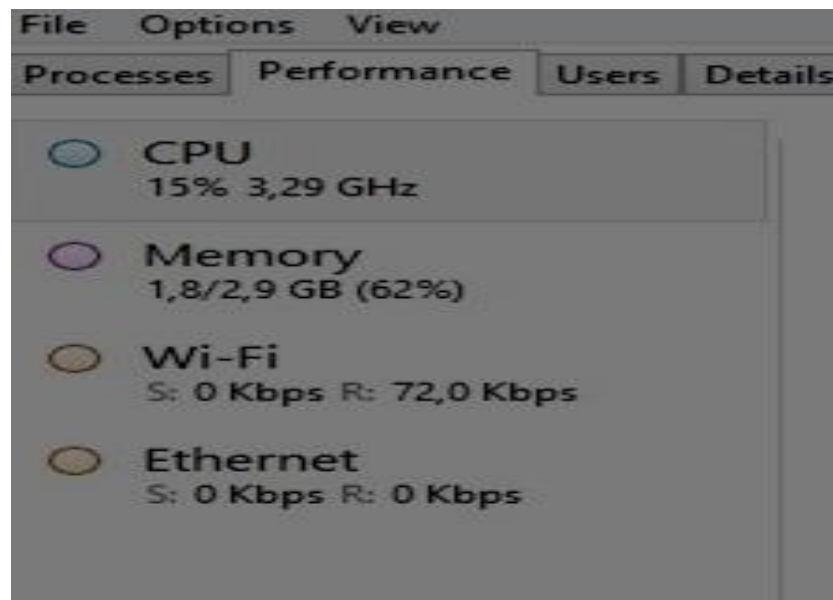


4 user

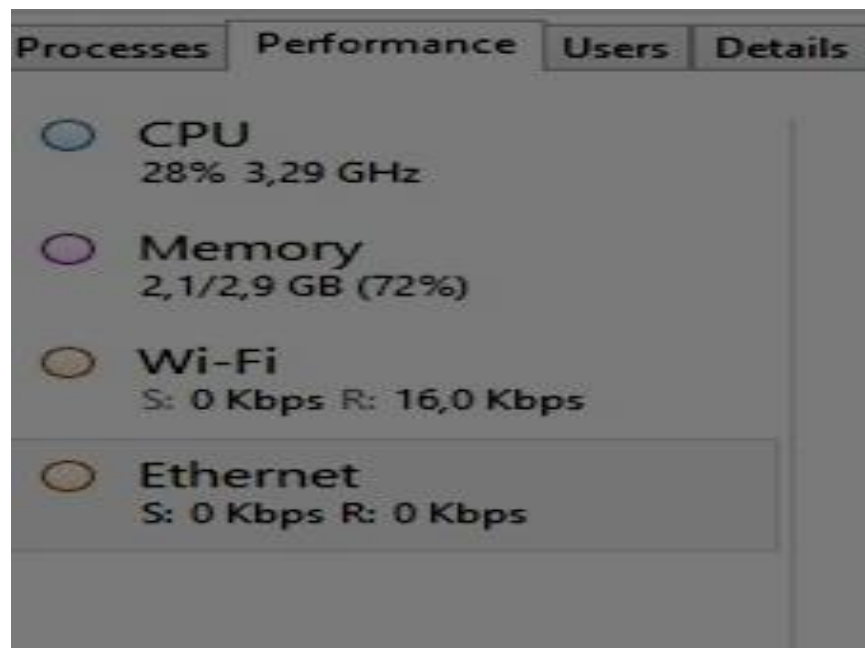


c. Mondo Marble

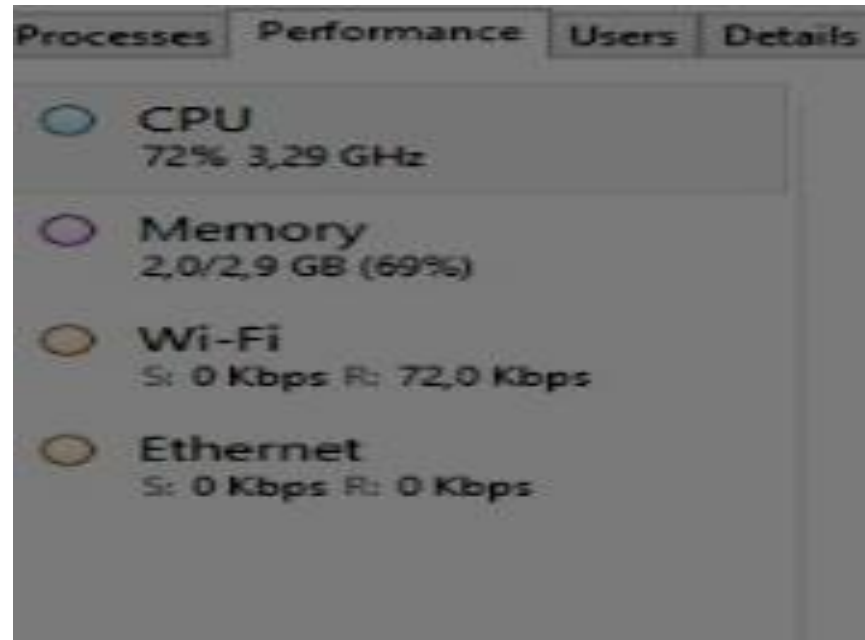
1 user



2 user

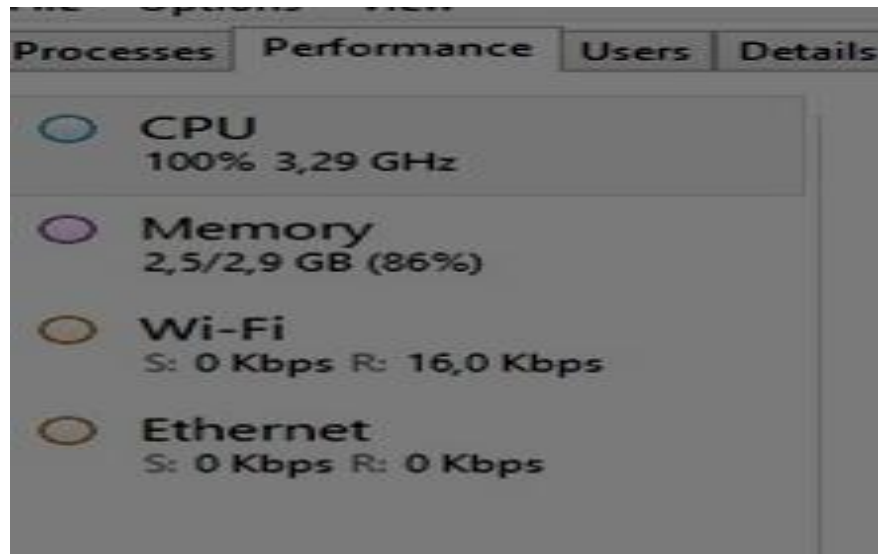


3 user





4 user



### Perhitungan Persentase Efisiensi Konsumsi Listrik

Setelah mendapat data pengukuran konsumsi daya terpakai maka dapat di cari persentase koefisien konsumsi listrik dengan rumus berikut :

$$\text{Persentase koefisien konsumsi listrik} = \frac{x-y}{x} \cdot 100 \%$$

Ket :

x = konsumsi listrik Komputer tanpa PC Cloning

y = konsumsi listrik Komputer dengan PC Cloning

berikut ini data yang didapat pada pengukuran konsumsi listrik

Konsumsi Listrik pada komputer dalam Mode *Stanby*.

Tabel 4 : Konsumsi Listrik Pada Komputer dalam Mode *Stanby*

NO	Jumlah User	Jumlah Monitor	Konsumsi daya (Watt)	
			Tanpa <i>PC Cloning</i> (x)	<i>PC Cloning</i> (y)
1	1 user	1 unit	64	86
2	2 user	2 unit	114	100
3	3 user	3 unit	175	118
4	4 user	4 unit	243	137

Tabel 5 : Konsumsi Listrik Pada Komputer dalam Mode Aktif

NO	Jumlah User	Jumlah Monitor	Konsumsi daya (Watt)	
			Tanpa <i>PC Cloning</i> (x)	<i>PC Cloning</i> (y)
1	1 user	1 unit	90	95
2	2 user	2 unit	162	119
3	3 user	3 unit	202	144
4	4 user	4 unit	255	172

a. Persentase Efisiensi Konsumsi Listrik Dalam Mode *Stanby*

1 user

$$\text{Persentase koefisien konsumsi listrik} = \frac{x-y}{x} \cdot 100 \%$$

$$= \frac{64-86}{64} \cdot 100 \%$$

$$= - 34,3\%$$

2 user

$$\text{Persentase koefisien konsumsi listrik} = \frac{x-y}{x} \cdot 100 \%$$

$$= \frac{114-100}{114} \cdot 100 \%$$

$$= 12,2 \%$$

3 user

$$\text{Persentase koefisien konsumsi listrik} = \frac{x-y}{x} \cdot 100 \%$$

$$= \frac{175-118}{175} \cdot 100 \%$$

$$= 32,5 \%$$

4 user

$$\text{Persentase koefisien konsumsi listrik} = \frac{x-y}{x} \cdot 100 \%$$

$$= \frac{243-137}{243} \cdot 100 \%$$

$$= 43,6 \%$$

b. Persentase Efisiensi Konsumsi Listrik Dalam Mode Aktif

1 user

$$\text{Persentase koefisien konsumsi listrik} = \frac{x-y}{x} \cdot 100 \%$$

$$= \frac{90-95}{90} \cdot 100 \%$$

$$= -5,5 \%$$

2 user

$$\text{Persentase koefisien konsumsi listrik} = \frac{x-y}{x} \cdot 100 \%$$

$$= \frac{162-119}{162} \cdot 100 \%$$

$$= 26,5 \%$$

3 user

$$\text{Persentase koefisien konsumsi listrik} = \frac{x-y}{x} \cdot 100 \%$$

$$= \frac{202-144}{202} \cdot 100 \%$$

$$= 28,7 \%$$

4 user

$$\text{Persentase koefisien konsumsi listrik} = \frac{x-y}{x} \cdot 100 \%$$

$$= \frac{255-172}{255} \cdot 100 \%$$

$$= 32,5 \%$$