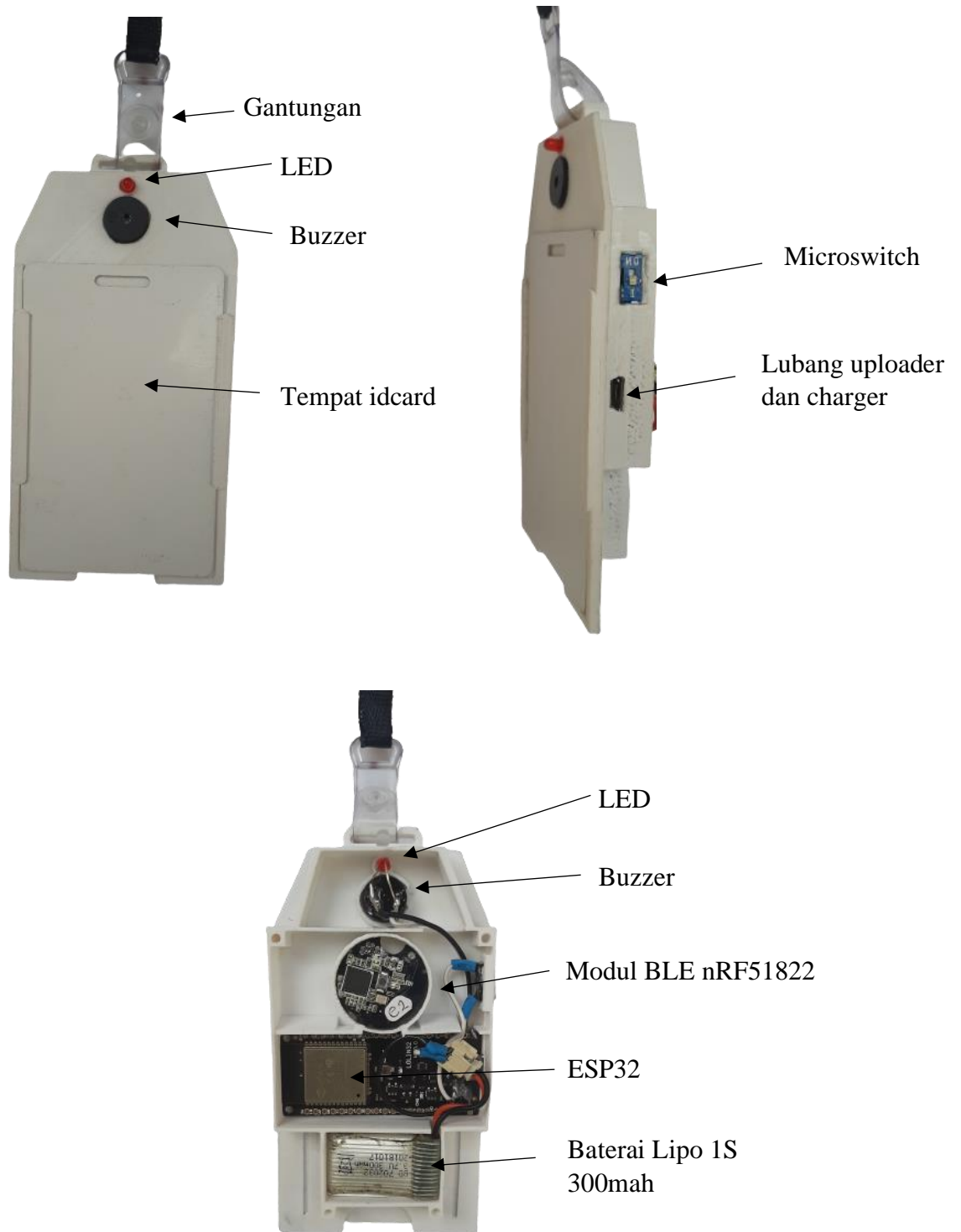


DAFTAR PUSTAKA

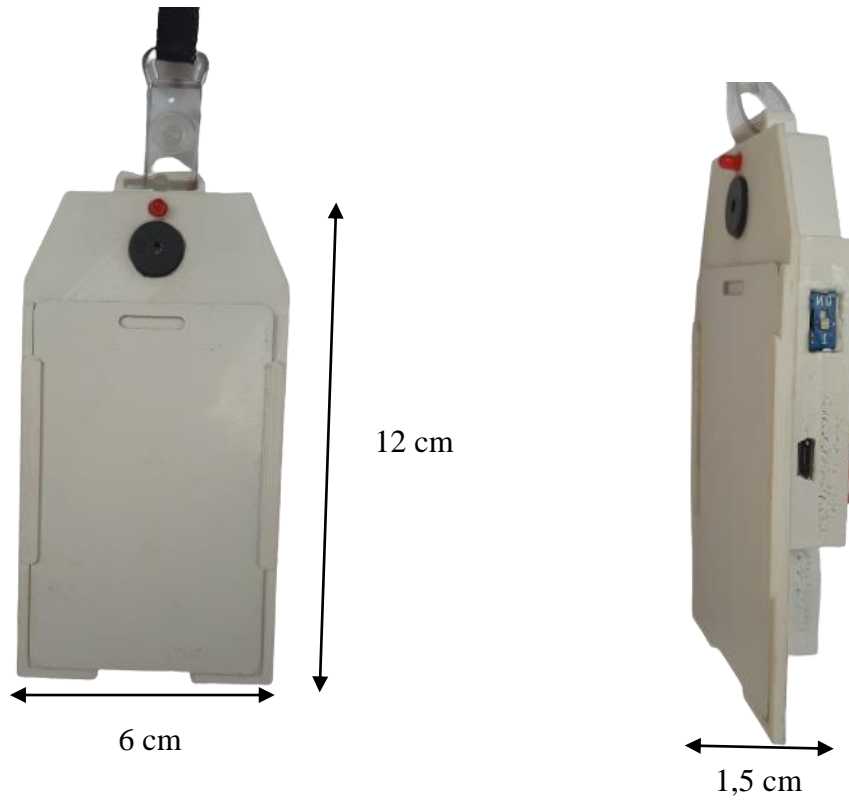
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LAMPIRAN

Lampiran 1. Bagian-bagian Alat



Lampiran 2. Dimensi Alat

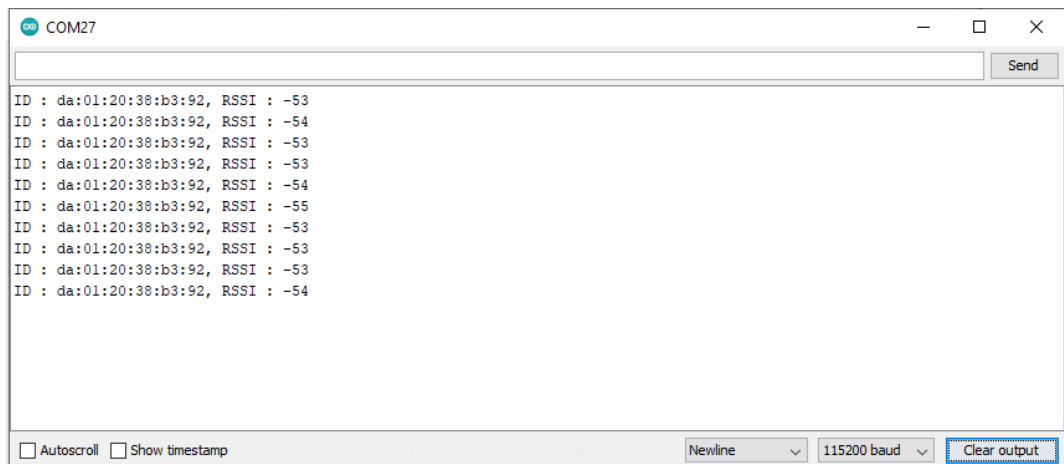


Berat : 50gr

Lampiran 3. Hasil Pembacaan RSSI pada Serial Monitor Arduino IDE

- Tahap pertama dilakukan pengukuran nilai RSSI terhadap satu alat yang telah dibuat dengan ID: da:01:20:38:b3:92

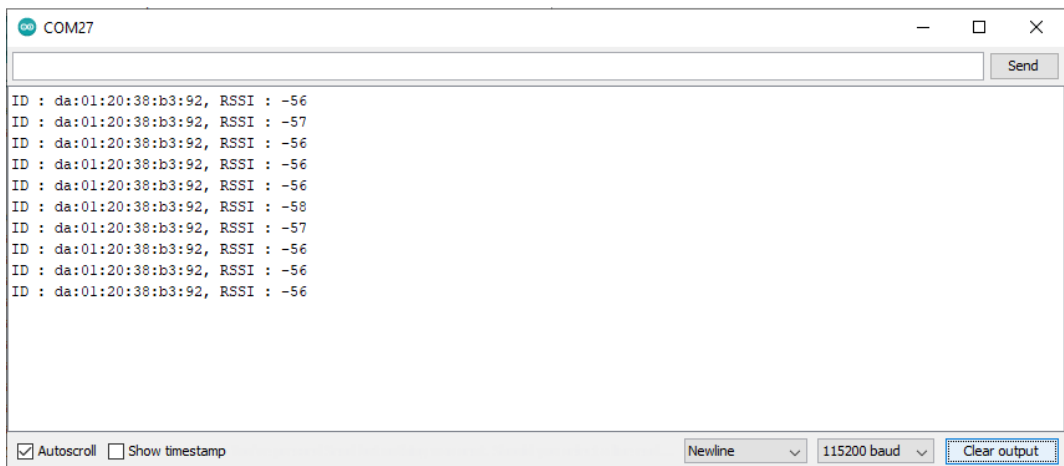
- Jarak 0,5 meter



The screenshot shows the Serial Monitor window for COM27. The output displays 12 lines of data, each containing the MAC address 'da:01:20:38:b3:92' and an RSSI value. The RSSI values range from -53 to -55. The window includes a 'Send' button, 'Autoscroll' and 'Show timestamp' checkboxes, and dropdown menus for 'Newline' and '115200 baud'. A 'Clear output' button is also present.

```
COM27
ID : da:01:20:38:b3:92, RSSI : -53
ID : da:01:20:38:b3:92, RSSI : -54
ID : da:01:20:38:b3:92, RSSI : -53
ID : da:01:20:38:b3:92, RSSI : -53
ID : da:01:20:38:b3:92, RSSI : -54
ID : da:01:20:38:b3:92, RSSI : -55
ID : da:01:20:38:b3:92, RSSI : -53
ID : da:01:20:38:b3:92, RSSI : -53
ID : da:01:20:38:b3:92, RSSI : -53
ID : da:01:20:38:b3:92, RSSI : -54
```

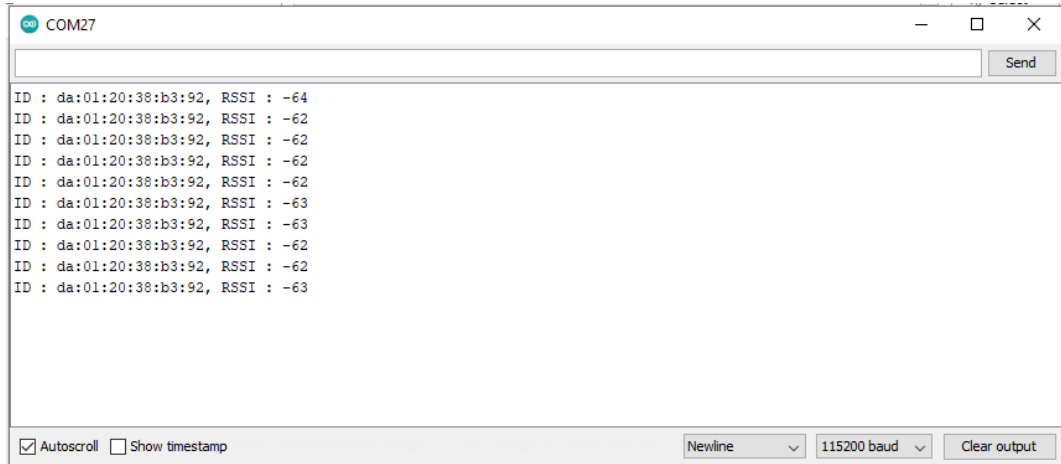
- Jarak 1 meter



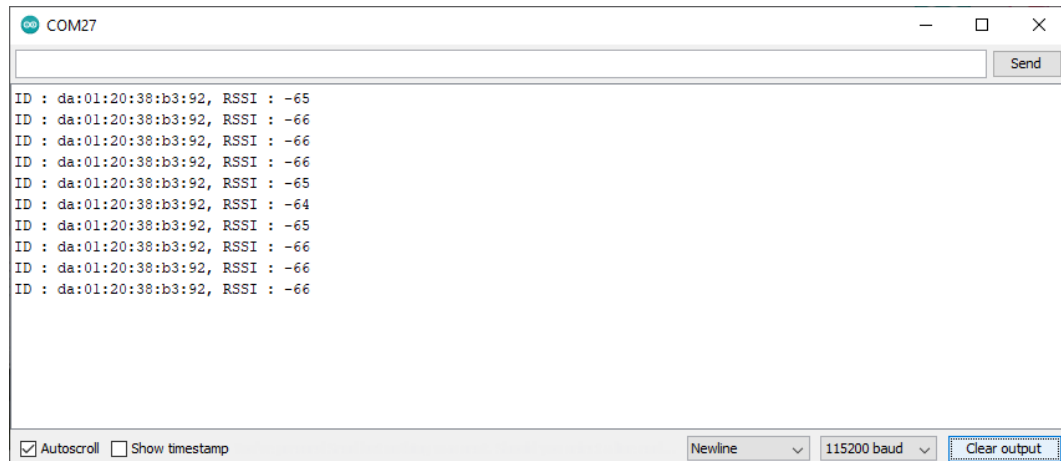
The screenshot shows the Serial Monitor window for COM27. The output displays 12 lines of data, each containing the MAC address 'da:01:20:38:b3:92' and an RSSI value. The RSSI values range from -56 to -58. The window includes a 'Send' button, 'Autoscroll' and 'Show timestamp' checkboxes, and dropdown menus for 'Newline' and '115200 baud'. A 'Clear output' button is also present.

```
COM27
ID : da:01:20:38:b3:92, RSSI : -56
ID : da:01:20:38:b3:92, RSSI : -57
ID : da:01:20:38:b3:92, RSSI : -56
ID : da:01:20:38:b3:92, RSSI : -56
ID : da:01:20:38:b3:92, RSSI : -56
ID : da:01:20:38:b3:92, RSSI : -58
ID : da:01:20:38:b3:92, RSSI : -57
ID : da:01:20:38:b3:92, RSSI : -56
ID : da:01:20:38:b3:92, RSSI : -56
ID : da:01:20:38:b3:92, RSSI : -56
```

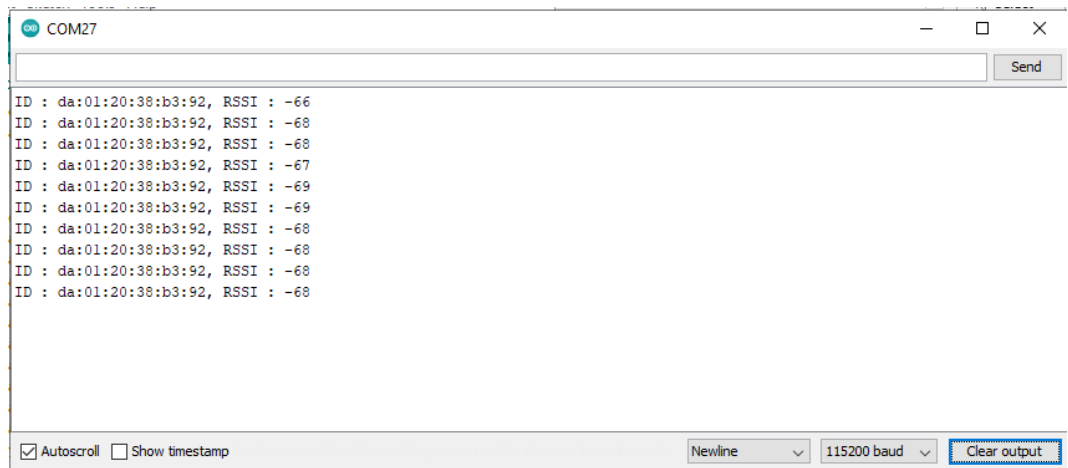
- Jarak 1,5 meter



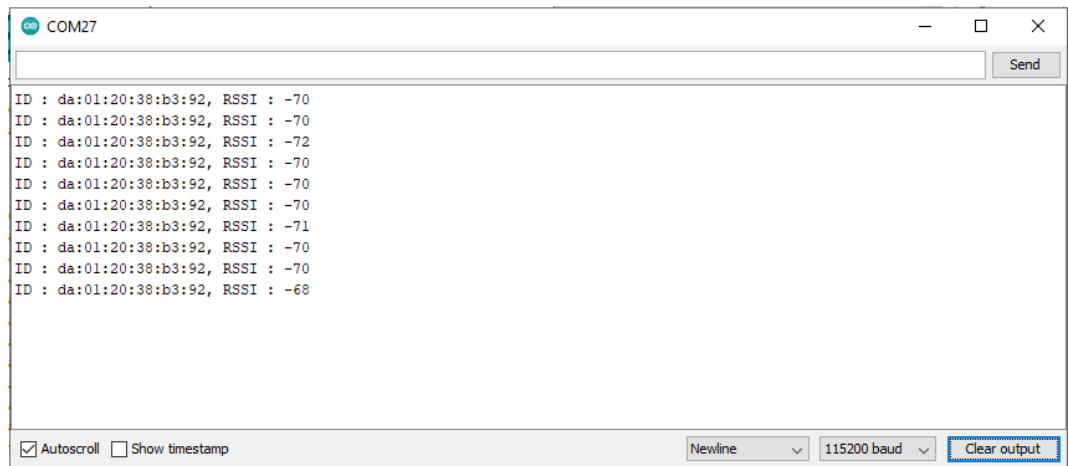
- Jarak 2 meter



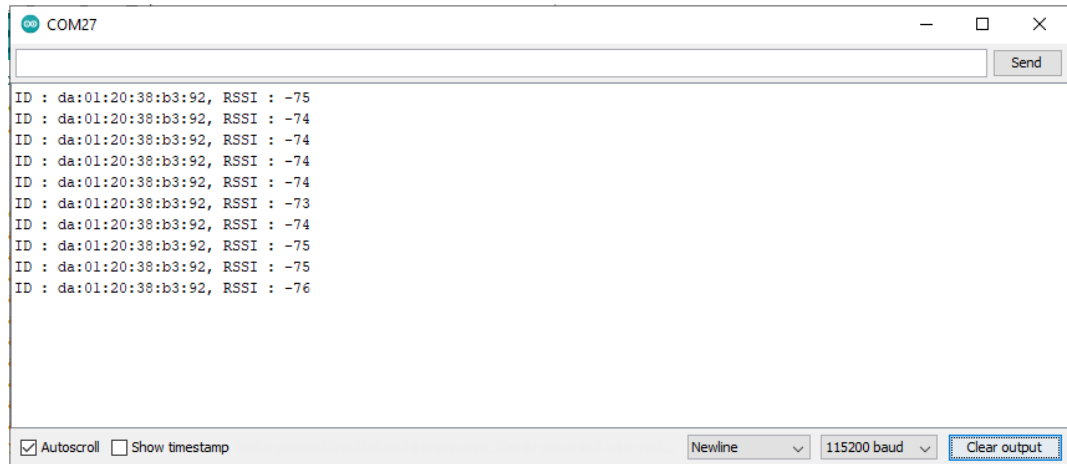
- Jarak 2,5 meter



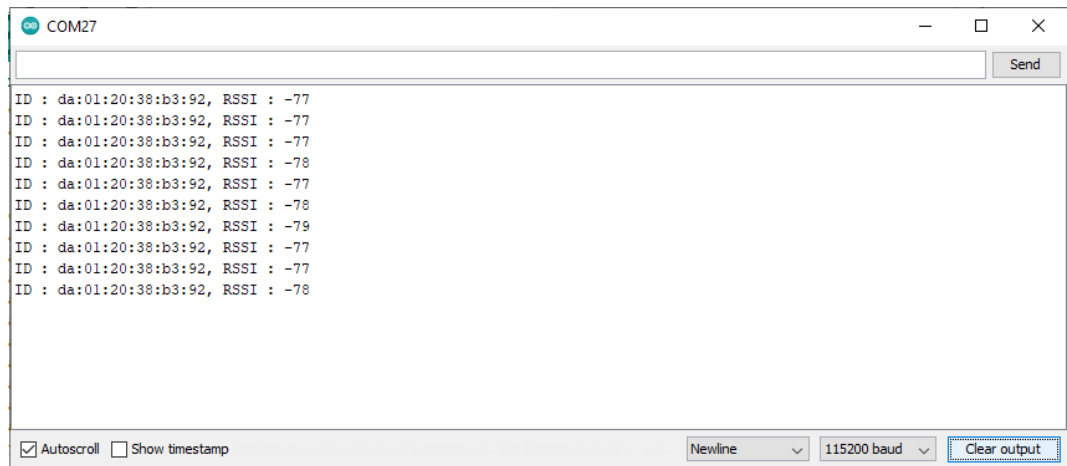
- Jarak 3 meter



- Jarak 4 meter



- Jarak 5 meter



➤ Tahap kedua dilakukan pengukuran nilai RSSI terhadap alat yang telah dibuat dengan ID: da:01:20:38:b3:92 ketika terdapat satu alat lain yang aktif dengan ID: e2:b4:c5:92:78:df dengan jarak yang konstan pada 1,5m.

- Jarak 0,5 meter

The screenshot shows a terminal window titled 'COMS' with a 'Send' button in the top right. The output consists of multiple lines of text, each containing two lines of data: the first line is 'ID: da:01:20:38:b3:92, RSSI : -53' and the second line is 'ID: e2:b4:c5:92:78:df, RSSI : -61'. These two lines are repeated several times, with some lines in between containing '...' to indicate that the sequence continues. At the bottom of the window, there are checkboxes for 'Autoscroll' and 'Show timestamp', and a control bar with 'Newline', '115200 baud', and 'Clear output' options.

- Jarak 1 meter

The screenshot shows a terminal window titled 'COMS' with a 'Send' button in the top right. The output consists of multiple lines of text, each containing two lines of data: the first line is 'ID : da:01:20:38:b3:92, RSSI : -58' and the second line is 'ID : e2:b4:c5:92:78:df, RSSI : -61'. These two lines are repeated several times, with some lines in between containing '...' to indicate that the sequence continues. At the bottom of the window, there are checkboxes for 'Autoscroll' and 'Show timestamp', and a control bar with 'Newline', '115200 baud', and 'Clear output' options.

- Jarak 1,5 meter

```
COM5
Send
ID : da:01:20:38:b3:92, RSSI : -60
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -61
ID : e2:b4:c5:92:78:df, RSSI : -61
...
ID : da:01:20:38:b3:92, RSSI : -62
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -62
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -61
ID : e2:b4:c5:92:78:df, RSSI : -60
...
ID : da:01:20:38:b3:92, RSSI : -62
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -63
ID : e2:b4:c5:92:78:df, RSSI : -63
...
ID : da:01:20:38:b3:92, RSSI : -62
ID : e2:b4:c5:92:78:df, RSSI : -61
...
ID : da:01:20:38:b3:92, RSSI : -62
ID : e2:b4:c5:92:78:df, RSSI : -60
...
ID : da:01:20:38:b3:92, RSSI : -62
ID : e2:b4:c5:92:78:df, RSSI : -62
```

Autoscroll Show timestamp Newline 115200 baud Clear output

- Jarak 2 meter

```
COM5
Send
ID: da:01:20:38:b3:92, RSSI : -65
ID: e2:b4:c5:92:78:df, RSSI : -63
...
ID: da:01:20:38:b3:92, RSSI : -66
ID: e2:b4:c5:92:78:df, RSSI : -63
...
ID: da:01:20:38:b3:92, RSSI : -66
ID: e2:b4:c5:92:78:df, RSSI : -63
...
ID: da:01:20:38:b3:92, RSSI : -65
ID: e2:b4:c5:92:78:df, RSSI : -63
...
ID: da:01:20:38:b3:92, RSSI : -66
ID: e2:b4:c5:92:78:df, RSSI : -62
...
ID: da:01:20:38:b3:92, RSSI : -66
ID: e2:b4:c5:92:78:df, RSSI : -63
...
ID: da:01:20:38:b3:92, RSSI : -65
ID: e2:b4:c5:92:78:df, RSSI : -63
...
ID: da:01:20:38:b3:92, RSSI : -66
ID: e2:b4:c5:92:78:df, RSSI : -63
...
ID: da:01:20:38:b3:92, RSSI : -65
ID: e2:b4:c5:92:78:df, RSSI : -63
...
ID: da:01:20:38:b3:92, RSSI : -65
ID: e2:b4:c5:92:78:df, RSSI : -63
...
ID: da:01:20:38:b3:92, RSSI : -65
ID: e2:b4:c5:92:78:df, RSSI : -63
```

Autoscroll Show timestamp Newline 115200 baud Clear output

- Jarak 2,5 meter

```
COM5
Send
ID : da:01:20:38:b3:92, RSSI : -70
ID : e2:b4:c5:92:78:df, RSSI : -61
...
ID : da:01:20:38:b3:92, RSSI : -69
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -70
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -71
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -70
ID : e2:b4:c5:92:78:df, RSSI : -60
...
ID : da:01:20:38:b3:92, RSSI : -69
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -73
ID : e2:b4:c5:92:78:df, RSSI : -63
...
ID : da:01:20:38:b3:92, RSSI : -70
ID : e2:b4:c5:92:78:df, RSSI : -61
...
ID : da:01:20:38:b3:92, RSSI : -70
ID : e2:b4:c5:92:78:df, RSSI : -63
...
ID : da:01:20:38:b3:92, RSSI : -69
ID : e2:b4:c5:92:78:df, RSSI : -62
```

Autoscroll Show timestamp Newline 115200 baud Clear output

- Jarak 3 meter

```
COM5
Send
ID : da:01:20:38:b3:92, RSSI : -71
ID : e2:b4:c5:92:78:df, RSSI : -61
...
ID : da:01:20:38:b3:92, RSSI : -71
ID : e2:b4:c5:92:78:df, RSSI : -61
...
ID : da:01:20:38:b3:92, RSSI : -70
ID : e2:b4:c5:92:78:df, RSSI : -61
...
ID : da:01:20:38:b3:92, RSSI : -71
ID : e2:b4:c5:92:78:df, RSSI : -61
...
ID : da:01:20:38:b3:92, RSSI : -70
ID : e2:b4:c5:92:78:df, RSSI : -61
...
ID : da:01:20:38:b3:92, RSSI : -71
ID : e2:b4:c5:92:78:df, RSSI : -61
...
ID : da:01:20:38:b3:92, RSSI : -71
ID : e2:b4:c5:92:78:df, RSSI : -61
...
ID : da:01:20:38:b3:92, RSSI : -71
ID : e2:b4:c5:92:78:df, RSSI : -61
...
ID : da:01:20:38:b3:92, RSSI : -70
ID : e2:b4:c5:92:78:df, RSSI : -61
...
ID : da:01:20:38:b3:92, RSSI : -72
ID : e2:b4:c5:92:78:df, RSSI : -61
...
```

Autoscroll Show timestamp Newline 115200 baud Clear output

- Jarak 4 meter

```
COM5
ID : da:01:20:38:b3:92, RSSI : -77
ID : e2:b4:c5:92:78:df, RSSI : -63
...
ID : da:01:20:38:b3:92, RSSI : -76
ID : e2:b4:c5:92:78:df, RSSI : -61
...
ID : da:01:20:38:b3:92, RSSI : -76
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -75
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -78
ID : e2:b4:c5:92:78:df, RSSI : -60
...
ID : da:01:20:38:b3:92, RSSI : -77
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -79
ID : e2:b4:c5:92:78:df, RSSI : -61
...
ID : da:01:20:38:b3:92, RSSI : -77
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -75
ID : e2:b4:c5:92:78:df, RSSI : -61
...
ID : da:01:20:38:b3:92, RSSI : -76
ID : e2:b4:c5:92:78:df, RSSI : -62
```

Autoscroll Show timestamp Newline 115200 baud Clear output

- Jarak 5 meter

```
COM5
ID : da:01:20:38:b3:92, RSSI : -78
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -76
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -77
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -78
ID : e2:b4:c5:92:78:df, RSSI : -61
...
ID : da:01:20:38:b3:92, RSSI : -78
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -79
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -78
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -78
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -78
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -77
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -77
ID : e2:b4:c5:92:78:df, RSSI : -62
```

Autoscroll Show timestamp Newline 115200 baud Clear output

- Tahap ketiga dilakukan pengukuran nilai RSSI terhadap alat yang telah dibuat dengan ID: da:01:20:38:b3:92, ketika terdapat satu alat lain dengan ID: e2:b4:c5:92:78:df yang aktif dengan jarak yang bervariasi mengikuti jarak dari alat yang diukur nilai RSSInya (ID : da:01:20:38:b3:92)

- 0,5 meter

```
COM5
ID : da:01:20:38:b3:92, RSSI : -52
ID : e2:b4:c5:92:78:df, RSSI : -53
...
ID : da:01:20:38:b3:92, RSSI : -50
ID : e2:b4:c5:92:78:df, RSSI : -52
...
ID : da:01:20:38:b3:92, RSSI : -53
ID : e2:b4:c5:92:78:df, RSSI : -53
...
ID : da:01:20:38:b3:92, RSSI : -54
ID : e2:b4:c5:92:78:df, RSSI : -53
...
ID : da:01:20:38:b3:92, RSSI : -53
ID : e2:b4:c5:92:78:df, RSSI : -53
...
ID : da:01:20:38:b3:92, RSSI : -52
ID : e2:b4:c5:92:78:df, RSSI : -50
...
ID : da:01:20:38:b3:92, RSSI : -53
ID : e2:b4:c5:92:78:df, RSSI : -52
...
ID : da:01:20:38:b3:92, RSSI : -51
ID : e2:b4:c5:92:78:df, RSSI : -50
...
ID : da:01:20:38:b3:92, RSSI : -53
ID : e2:b4:c5:92:78:df, RSSI : -53
...
ID : da:01:20:38:b3:92, RSSI : -53
ID : e2:b4:c5:92:78:df, RSSI : -52
```

- 1 meter

```
COM5
ID : da:01:20:38:b3:92, RSSI : -57
ID : e2:b4:c5:92:78:df, RSSI : -56
...
ID : da:01:20:38:b3:92, RSSI : -56
ID : e2:b4:c5:92:78:df, RSSI : -56
...
ID : da:01:20:38:b3:92, RSSI : -56
ID : e2:b4:c5:92:78:df, RSSI : -57
...
ID : da:01:20:38:b3:92, RSSI : -58
ID : e2:b4:c5:92:78:df, RSSI : -56
...
ID : da:01:20:38:b3:92, RSSI : -57
ID : e2:b4:c5:92:78:df, RSSI : -58
...
ID : da:01:20:38:b3:92, RSSI : -56
ID : e2:b4:c5:92:78:df, RSSI : -56
...
ID : da:01:20:38:b3:92, RSSI : -56
ID : e2:b4:c5:92:78:df, RSSI : -56
...
ID : da:01:20:38:b3:92, RSSI : -57
ID : e2:b4:c5:92:78:df, RSSI : -57
...
ID : da:01:20:38:b3:92, RSSI : -55
ID : e2:b4:c5:92:78:df, RSSI : -54
...
ID : da:01:20:38:b3:92, RSSI : -56
ID : e2:b4:c5:92:78:df, RSSI : -55
```

- 1,5 meter

```
COM5
ID : da:01:20:38:b3:92, RSSI : -62
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -61
ID : e2:b4:c5:92:78:df, RSSI : -60
...
ID : da:01:20:38:b3:92, RSSI : -63
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -60
ID : e2:b4:c5:92:78:df, RSSI : -60
...
ID : da:01:20:38:b3:92, RSSI : -65
ID : e2:b4:c5:92:78:df, RSSI : -64
...
ID : da:01:20:38:b3:92, RSSI : -62
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -63
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -62
ID : e2:b4:c5:92:78:df, RSSI : -62
...
ID : da:01:20:38:b3:92, RSSI : -64
ID : e2:b4:c5:92:78:df, RSSI : -63
...
ID : da:01:20:38:b3:92, RSSI : -62
ID : e2:b4:c5:92:78:df, RSSI : -63
```

Autoscroll Show timestamp Newline 115200 baud Clear output

- 2 meter

```
COM5
ID : da:01:20:38:b3:92, RSSI : -65
ID : e2:b4:c5:92:78:df, RSSI : -66
...
ID : da:01:20:38:b3:92, RSSI : -68
ID : e2:b4:c5:92:78:df, RSSI : -67
...
ID : da:01:20:38:b3:92, RSSI : -66
ID : e2:b4:c5:92:78:df, RSSI : -66
...
ID : da:01:20:38:b3:92, RSSI : -63
ID : e2:b4:c5:92:78:df, RSSI : -64
...
ID : da:01:20:38:b3:92, RSSI : -65
ID : e2:b4:c5:92:78:df, RSSI : -65
...
ID : da:01:20:38:b3:92, RSSI : -66
ID : e2:b4:c5:92:78:df, RSSI : -65
...
ID : da:01:20:38:b3:92, RSSI : -68
ID : e2:b4:c5:92:78:df, RSSI : -67
...
ID : da:01:20:38:b3:92, RSSI : -66
ID : e2:b4:c5:92:78:df, RSSI : -66
...
ID : da:01:20:38:b3:92, RSSI : -66
ID : e2:b4:c5:92:78:df, RSSI : -66
...
ID : da:01:20:38:b3:92, RSSI : -64
ID : e2:b4:c5:92:78:df, RSSI : -65
```

Autoscroll Show timestamp Newline 115200 baud Clear output

- 2,5 meter

```
COM5
ID : da:01:20:38:b3:92, RSSI : -69
ID : e2:b4:c5:92:78:df, RSSI : -68
...
ID : da:01:20:38:b3:92, RSSI : -70
ID : e2:b4:c5:92:78:df, RSSI : -69
...
ID : da:01:20:38:b3:92, RSSI : -68
ID : e2:b4:c5:92:78:df, RSSI : -68
...
ID : da:01:20:38:b3:92, RSSI : -68
ID : e2:b4:c5:92:78:df, RSSI : -67
...
ID : da:01:20:38:b3:92, RSSI : -69
ID : e2:b4:c5:92:78:df, RSSI : -70
...
ID : da:01:20:38:b3:92, RSSI : -67
ID : e2:b4:c5:92:78:df, RSSI : -68
...
ID : da:01:20:38:b3:92, RSSI : -66
ID : e2:b4:c5:92:78:df, RSSI : -65
...
ID : da:01:20:38:b3:92, RSSI : -70
ID : e2:b4:c5:92:78:df, RSSI : -68
...
ID : da:01:20:38:b3:92, RSSI : -67
ID : e2:b4:c5:92:78:df, RSSI : -69
...
ID : da:01:20:38:b3:92, RSSI : -68
ID : e2:b4:c5:92:78:df, RSSI : -69
```

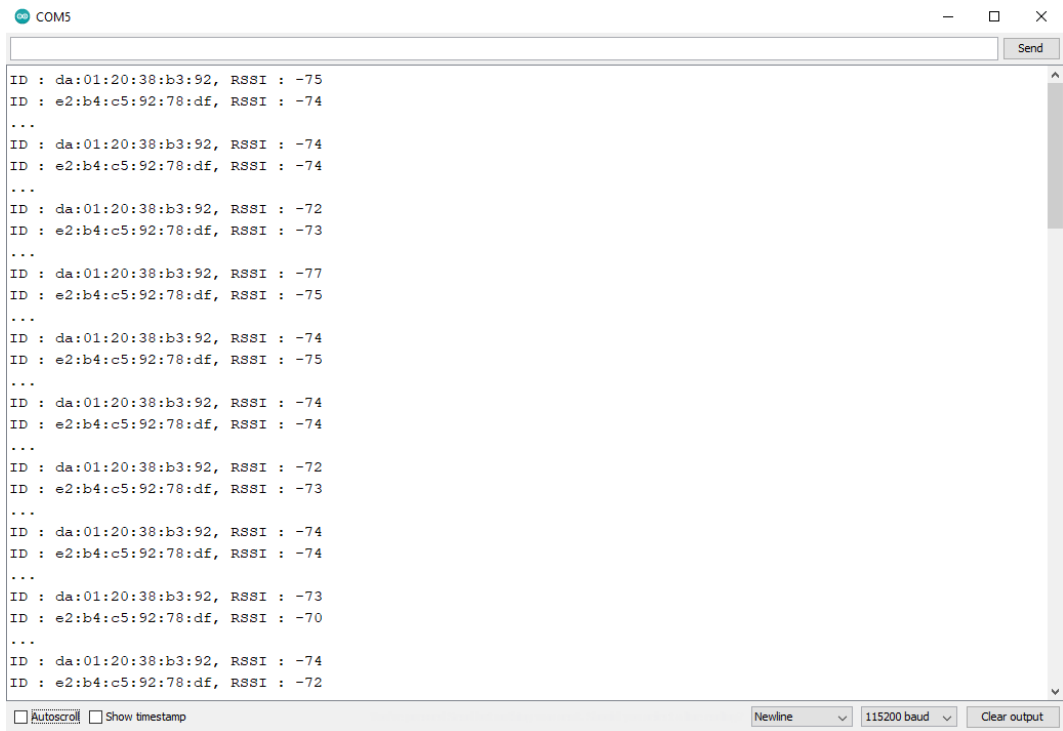
Autoscroll Show timestamp Newline 115200 baud Clear output

- 3 meter

```
COM5
ID : da:01:20:38:b3:92, RSSI : -70
ID : e2:b4:c5:92:78:df, RSSI : -68
...
ID : da:01:20:38:b3:92, RSSI : -70
ID : e2:b4:c5:92:78:df, RSSI : -70
...
ID : da:01:20:38:b3:92, RSSI : -71
ID : e2:b4:c5:92:78:df, RSSI : -72
...
ID : da:01:20:38:b3:92, RSSI : -70
ID : e2:b4:c5:92:78:df, RSSI : -69
...
ID : da:01:20:38:b3:92, RSSI : -68
ID : e2:b4:c5:92:78:df, RSSI : -67
...
ID : da:01:20:38:b3:92, RSSI : -68
ID : e2:b4:c5:92:78:df, RSSI : -68
...
ID : da:01:20:38:b3:92, RSSI : -70
ID : e2:b4:c5:92:78:df, RSSI : -70
...
ID : da:01:20:38:b3:92, RSSI : -68
ID : e2:b4:c5:92:78:df, RSSI : -69
...
ID : da:01:20:38:b3:92, RSSI : -73
ID : e2:b4:c5:92:78:df, RSSI : -70
...
ID : da:01:20:38:b3:92, RSSI : -69
ID : e2:b4:c5:92:78:df, RSSI : -70
```

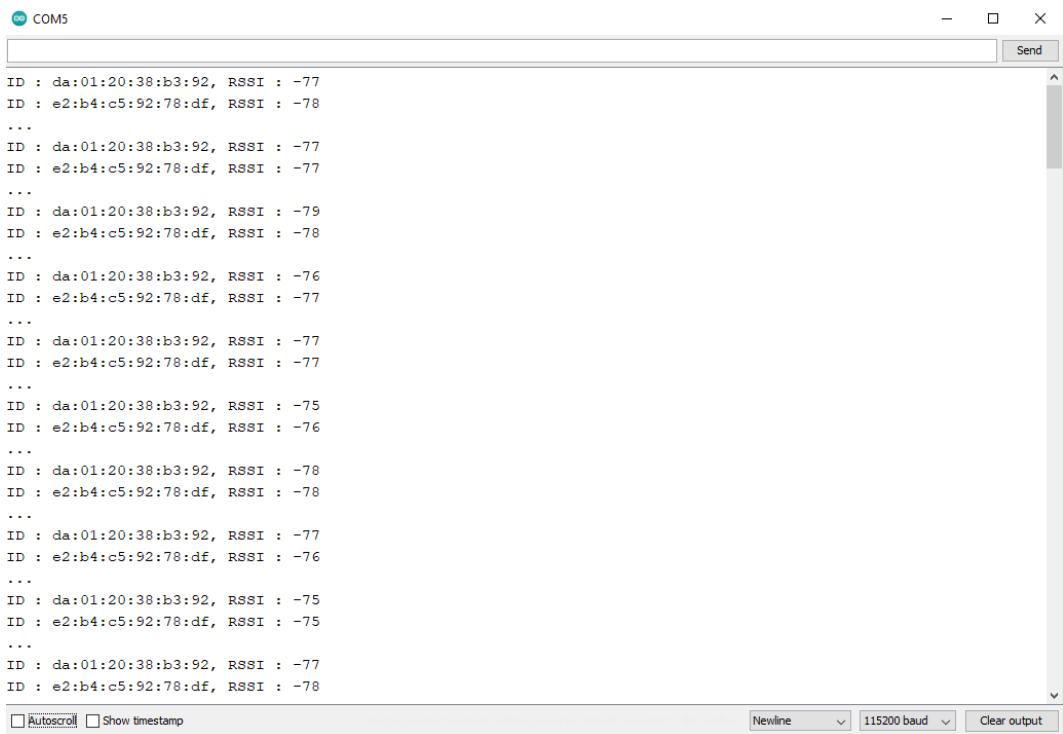
Autoscroll Show timestamp Newline 115200 baud Clear output

- 4 meter



```
COM5
Send
ID : da:01:20:38:b3:92, RSSI : -75
ID : e2:b4:c5:92:78:df, RSSI : -74
...
ID : da:01:20:38:b3:92, RSSI : -74
ID : e2:b4:c5:92:78:df, RSSI : -74
...
ID : da:01:20:38:b3:92, RSSI : -72
ID : e2:b4:c5:92:78:df, RSSI : -73
...
ID : da:01:20:38:b3:92, RSSI : -77
ID : e2:b4:c5:92:78:df, RSSI : -75
...
ID : da:01:20:38:b3:92, RSSI : -74
ID : e2:b4:c5:92:78:df, RSSI : -75
...
ID : da:01:20:38:b3:92, RSSI : -74
ID : e2:b4:c5:92:78:df, RSSI : -74
...
ID : da:01:20:38:b3:92, RSSI : -72
ID : e2:b4:c5:92:78:df, RSSI : -73
...
ID : da:01:20:38:b3:92, RSSI : -74
ID : e2:b4:c5:92:78:df, RSSI : -74
...
ID : da:01:20:38:b3:92, RSSI : -73
ID : e2:b4:c5:92:78:df, RSSI : -70
...
ID : da:01:20:38:b3:92, RSSI : -74
ID : e2:b4:c5:92:78:df, RSSI : -72
Autoscroll Show timestamp Newline 115200 baud Clear output
```

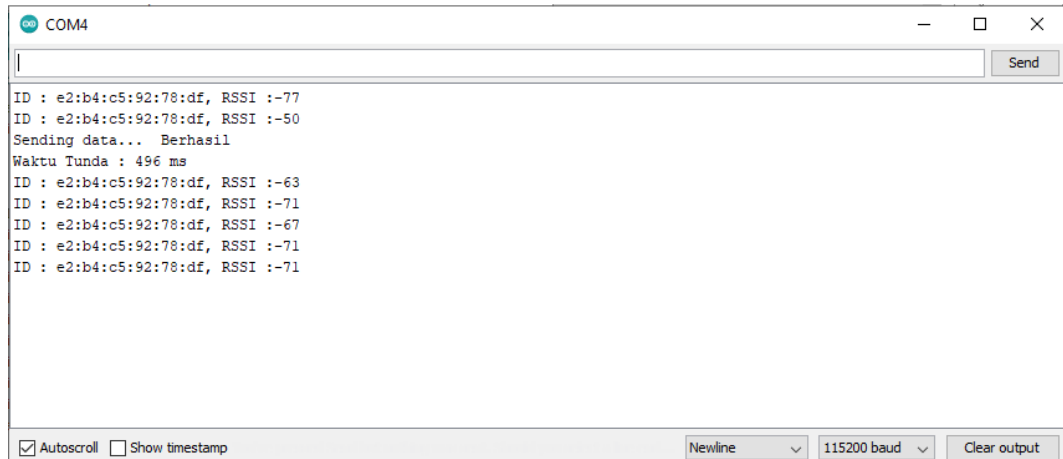
- 5 meter



```
COM5
Send
ID : da:01:20:38:b3:92, RSSI : -77
ID : e2:b4:c5:92:78:df, RSSI : -78
...
ID : da:01:20:38:b3:92, RSSI : -77
ID : e2:b4:c5:92:78:df, RSSI : -77
...
ID : da:01:20:38:b3:92, RSSI : -79
ID : e2:b4:c5:92:78:df, RSSI : -78
...
ID : da:01:20:38:b3:92, RSSI : -76
ID : e2:b4:c5:92:78:df, RSSI : -77
...
ID : da:01:20:38:b3:92, RSSI : -77
ID : e2:b4:c5:92:78:df, RSSI : -77
...
ID : da:01:20:38:b3:92, RSSI : -75
ID : e2:b4:c5:92:78:df, RSSI : -76
...
ID : da:01:20:38:b3:92, RSSI : -78
ID : e2:b4:c5:92:78:df, RSSI : -78
...
ID : da:01:20:38:b3:92, RSSI : -77
ID : e2:b4:c5:92:78:df, RSSI : -76
...
ID : da:01:20:38:b3:92, RSSI : -75
ID : e2:b4:c5:92:78:df, RSSI : -75
...
ID : da:01:20:38:b3:92, RSSI : -77
ID : e2:b4:c5:92:78:df, RSSI : -78
Autoscroll Show timestamp Newline 115200 baud Clear output
```

Lampiran 4. Hasil pembacaan lama waktu pengiriman data pada serial monitor arduino IDE

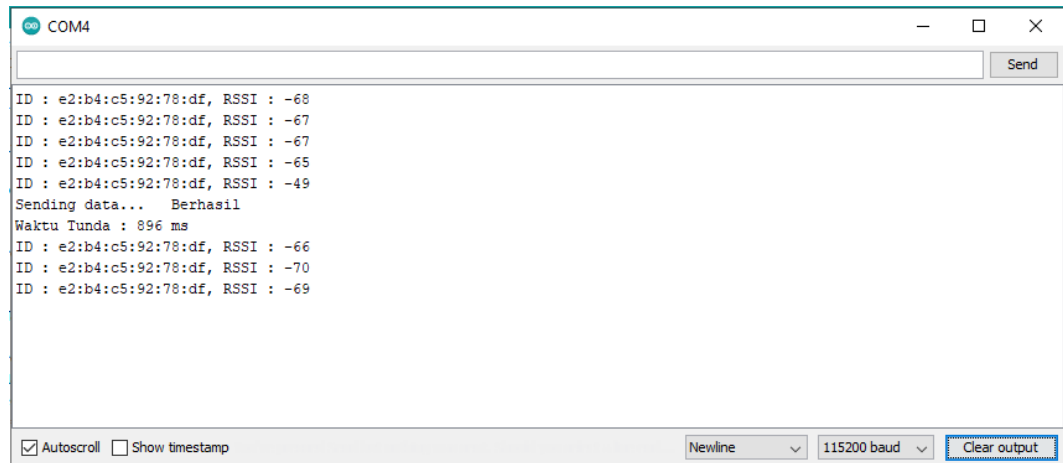
- Percobaan 1



```
COM4
ID : e2:b4:c5:92:78:df, RSSI :-77
ID : e2:b4:c5:92:78:df, RSSI :-50
Sending data... Berhasil
Waktu Tunda : 496 ms
ID : e2:b4:c5:92:78:df, RSSI :-63
ID : e2:b4:c5:92:78:df, RSSI :-71
ID : e2:b4:c5:92:78:df, RSSI :-67
ID : e2:b4:c5:92:78:df, RSSI :-71
ID : e2:b4:c5:92:78:df, RSSI :-71
```

Autoscroll Show timestamp Newline 115200 baud Clear output

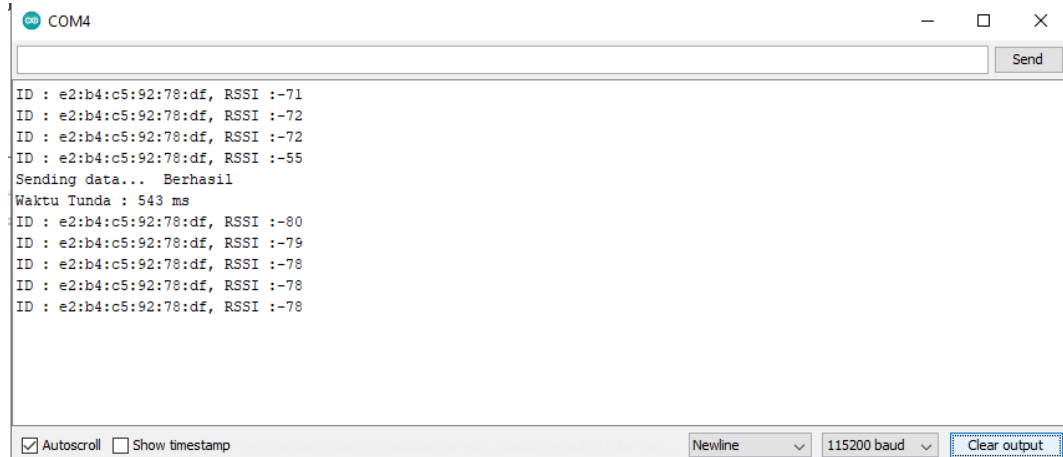
- Percobaan 2



```
COM4
ID : e2:b4:c5:92:78:df, RSSI :-68
ID : e2:b4:c5:92:78:df, RSSI :-67
ID : e2:b4:c5:92:78:df, RSSI :-67
ID : e2:b4:c5:92:78:df, RSSI :-65
ID : e2:b4:c5:92:78:df, RSSI :-49
Sending data... Berhasil
Waktu Tunda : 896 ms
ID : e2:b4:c5:92:78:df, RSSI :-66
ID : e2:b4:c5:92:78:df, RSSI :-70
ID : e2:b4:c5:92:78:df, RSSI :-69
```

Autoscroll Show timestamp Newline 115200 baud Clear output

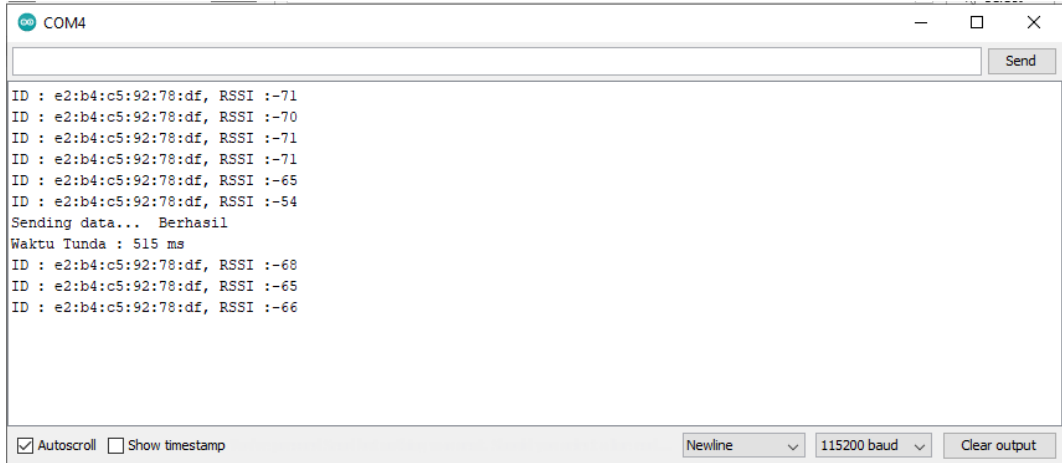
- Percobaan 3



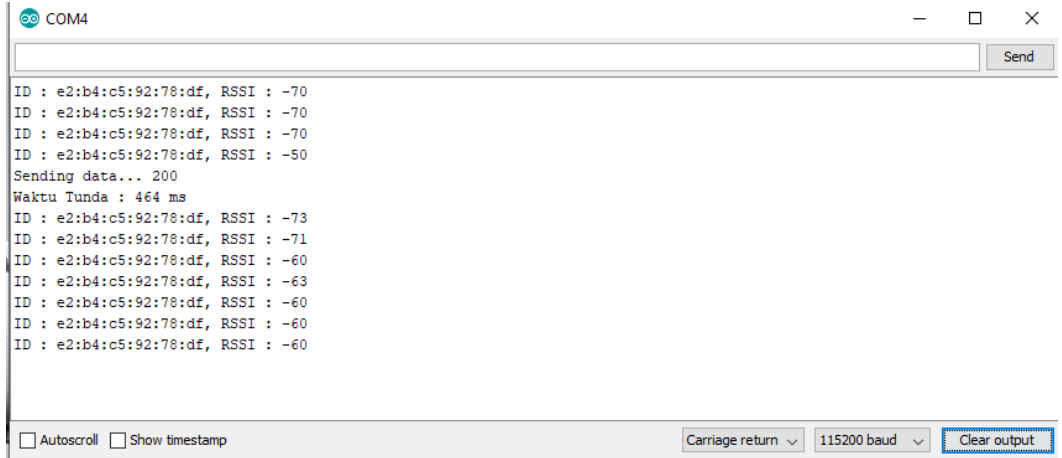
```
COM4
ID : e2:b4:c5:92:78:df, RSSI :-71
ID : e2:b4:c5:92:78:df, RSSI :-72
ID : e2:b4:c5:92:78:df, RSSI :-72
ID : e2:b4:c5:92:78:df, RSSI :-55
Sending data... Berhasil
Waktu Tunda : 543 ms
ID : e2:b4:c5:92:78:df, RSSI :-80
ID : e2:b4:c5:92:78:df, RSSI :-79
ID : e2:b4:c5:92:78:df, RSSI :-78
ID : e2:b4:c5:92:78:df, RSSI :-78
ID : e2:b4:c5:92:78:df, RSSI :-78
```

Autoscroll Show timestamp Newline 115200 baud Clear output

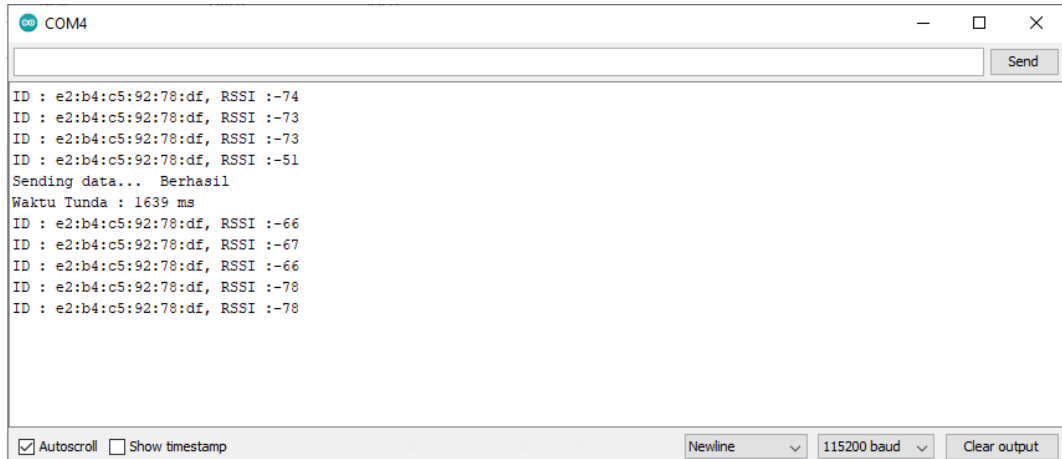
- Percobaan 4



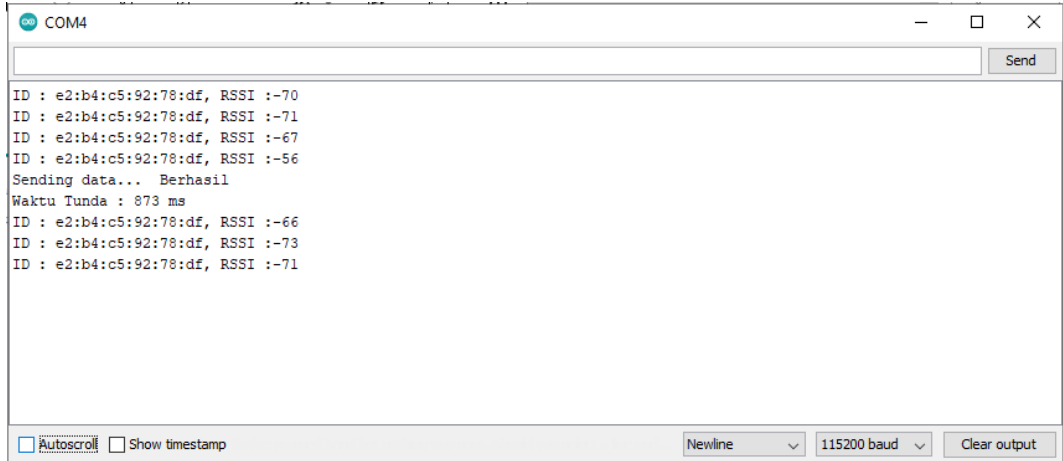
- Percobaan 5



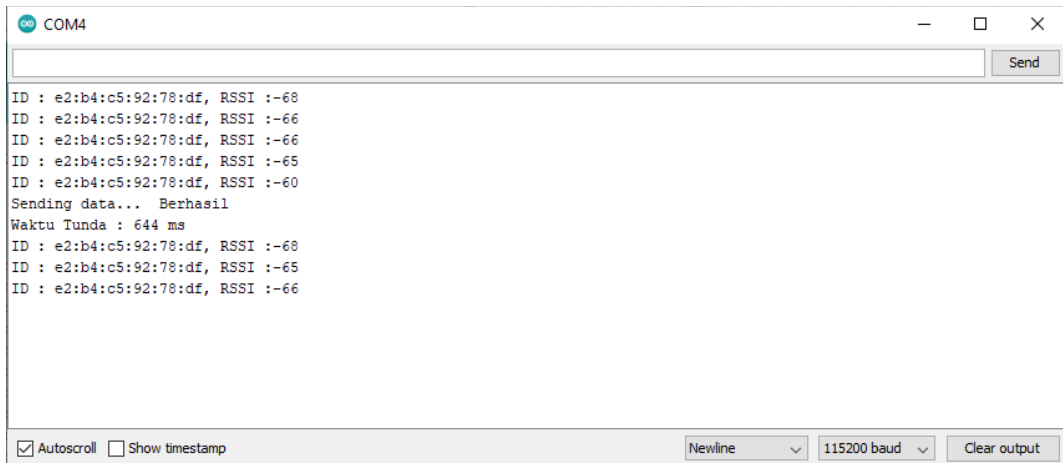
- Percobaan 6



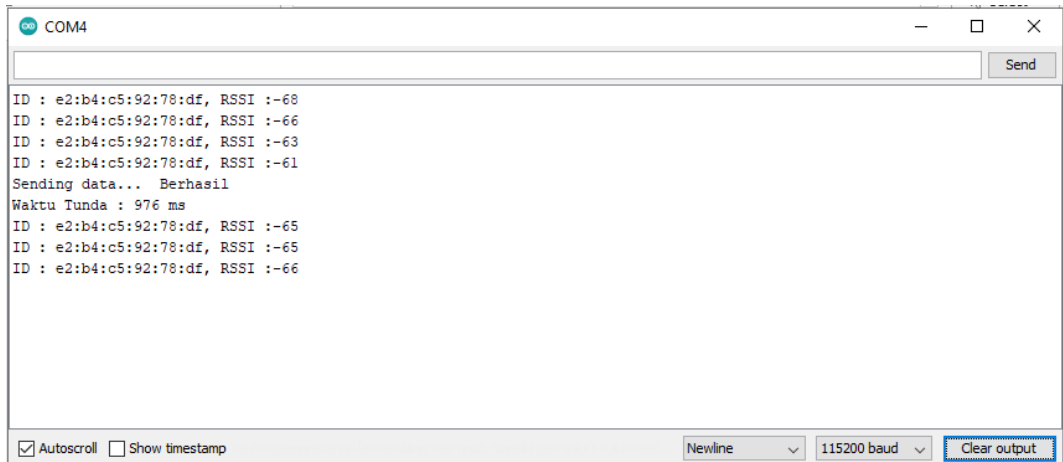
- Percobaan 7



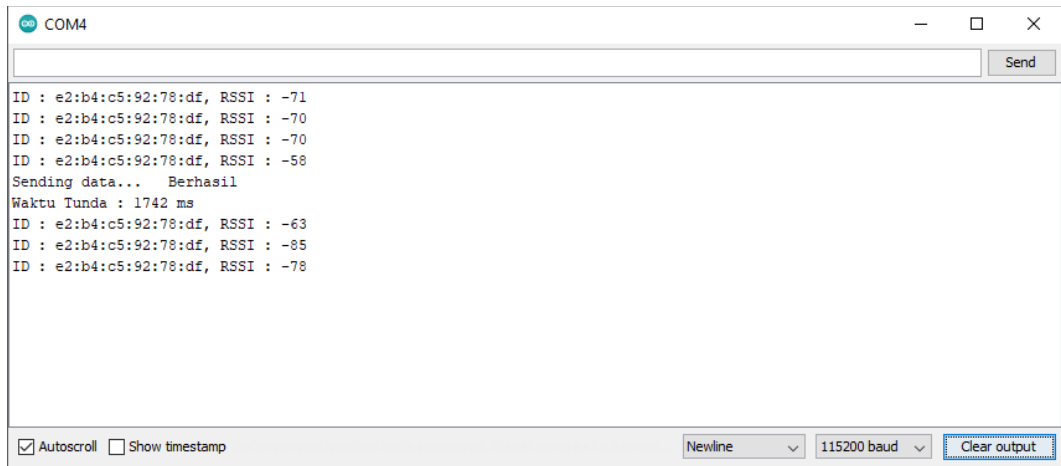
- Percobaan 8



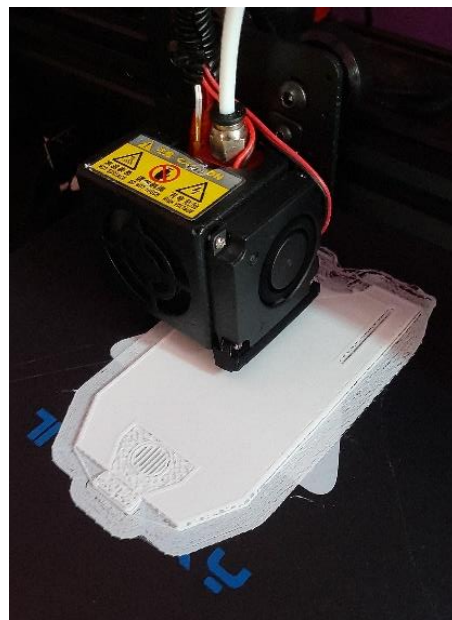
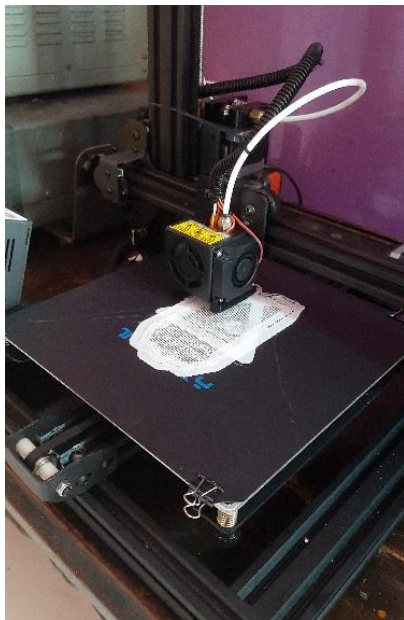
- Percobaan 9



- Percobaan 10



Lampiran 5. Proses pencetakan *casing* alat dengan 3d print



Lampiran 6. Proses Perakitan Komponen Alat

