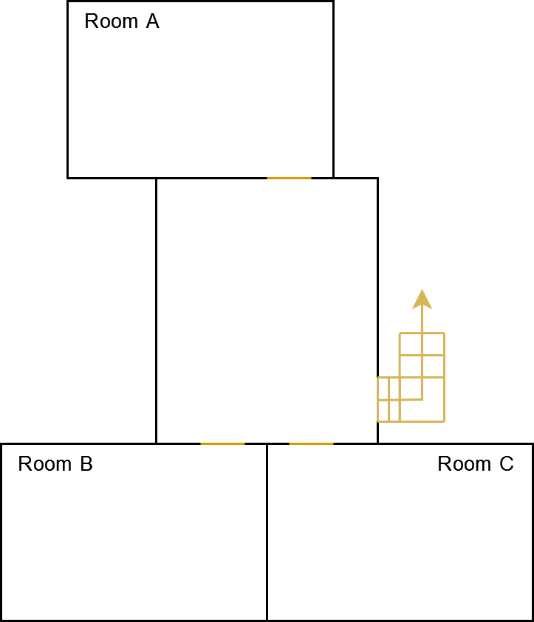
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**Lab 1**



Floor map

Diagram

Description automatically generated

Wi-Fi Signal Strength Map

Graphical user interface, text, application

Description automatically generated

Access-point listing

**Wi-Fi signal strength mapping process**

1. Open the Ekahau software and import the sketched floor map in png format
2. Set the scale of the map to meter
3. Navigate to the Survey tab to start surveying surrounding access points
4. Mark the starting location and start walking around the floor while mapping the movement
5. Press Enter to stop the mapping process and the software will display the findings

**Findings**

Concentrated signal in Room B is the result of TP-link access point located in the room

**AP list**

1. RumahSewa96 2.4GHz
2. RumahSewa69\_Ext 5Ghz
3. [Scientex-2.4GHz@unifi](mailto:Scientex-2.4GHz@unifi) 2.4GHz
4. [Jai\_Legacy\_2.4GHz@unifi](mailto:Jai_Legacy_2.4GHz@unifi) 2.4GHz

**References**

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* Mikko Lauronen, 2017, Setting the scale of a map, <https://support.ekahau.com/hc/en-us/articles/202429334-Setting-the-scale-of-a-map>