

- [14] SDG14: Life Below Water
- [14.5] Maintaining a local ecosystem
- [14.5.3] Programs towards good aquatic stewardship practices

Aquatic Ecosystems on i-CELL FTUI Building

Konservasi Air:
Water Harvesting

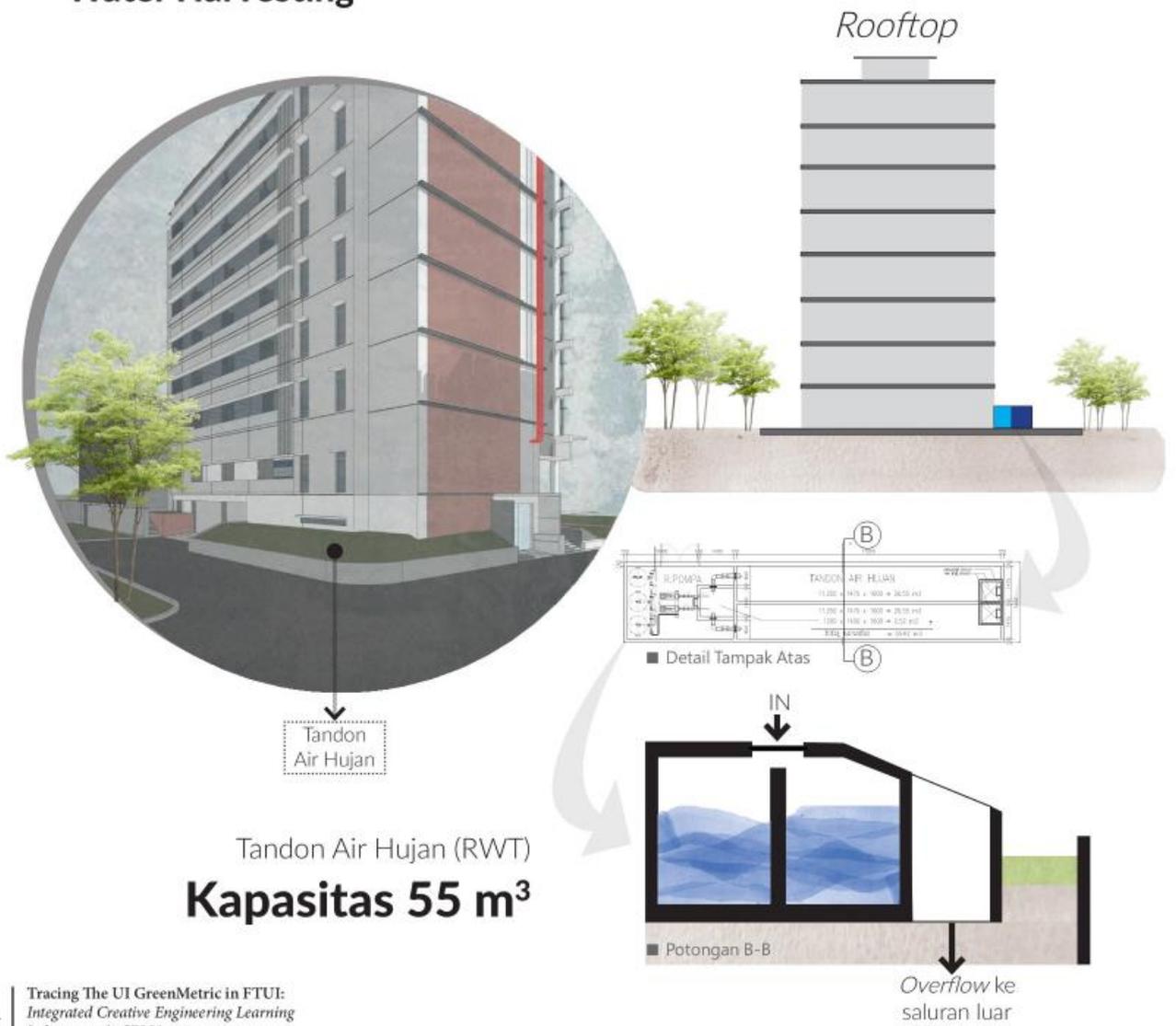


Figure 1 Rainwater Harvesting Systems

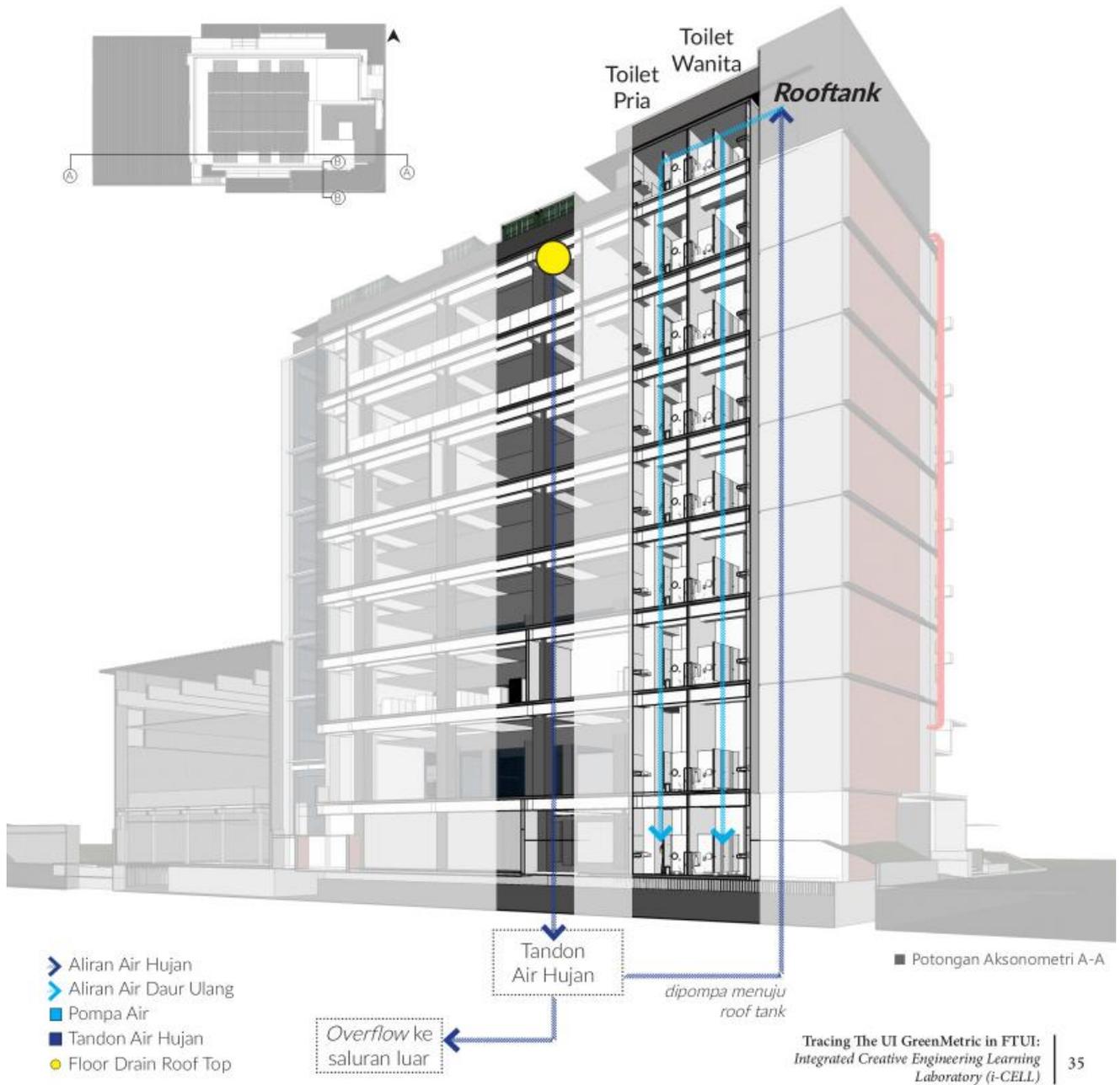
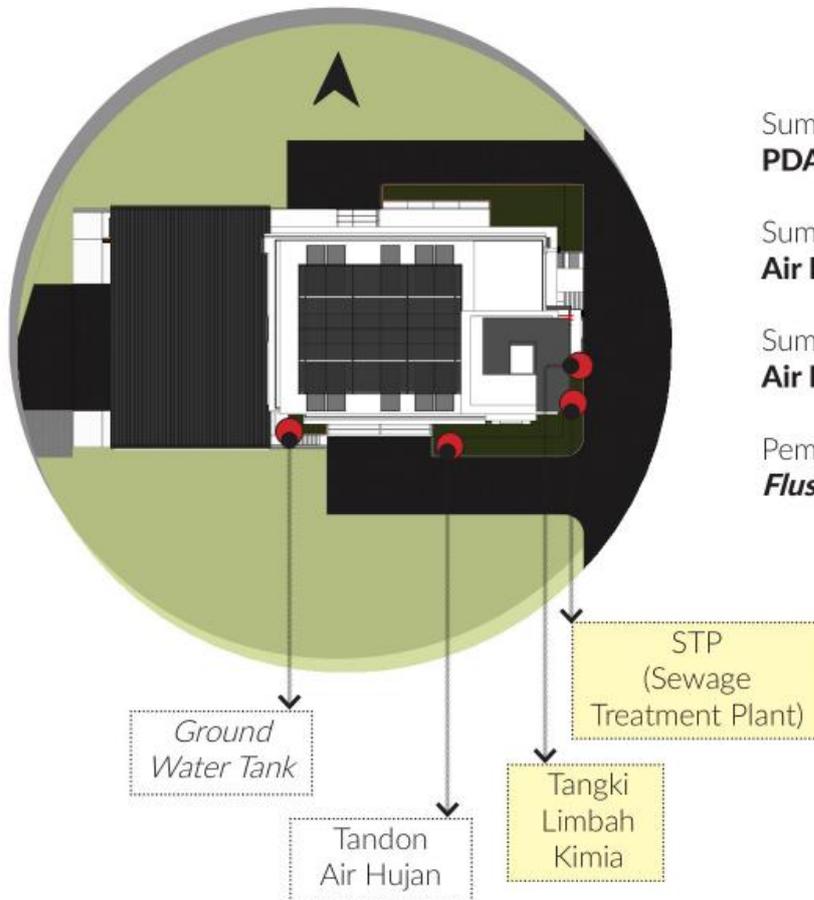


Figure 2 Rainwater Harvesting Flow



Figure 3 Rainwater Reservoir

Pengolahan Air Bekas & Air Kotor



Sumber air bersih utama:
PDAM

Sumber air bersih alternatif:
Air Hujan

Sumber air recycle:
Air Bekas, Air Kotor

Pemanfaatan air recycle:
Flushing, Irigasi

Figure 4 Water Recycle for Flushing & Irrigation

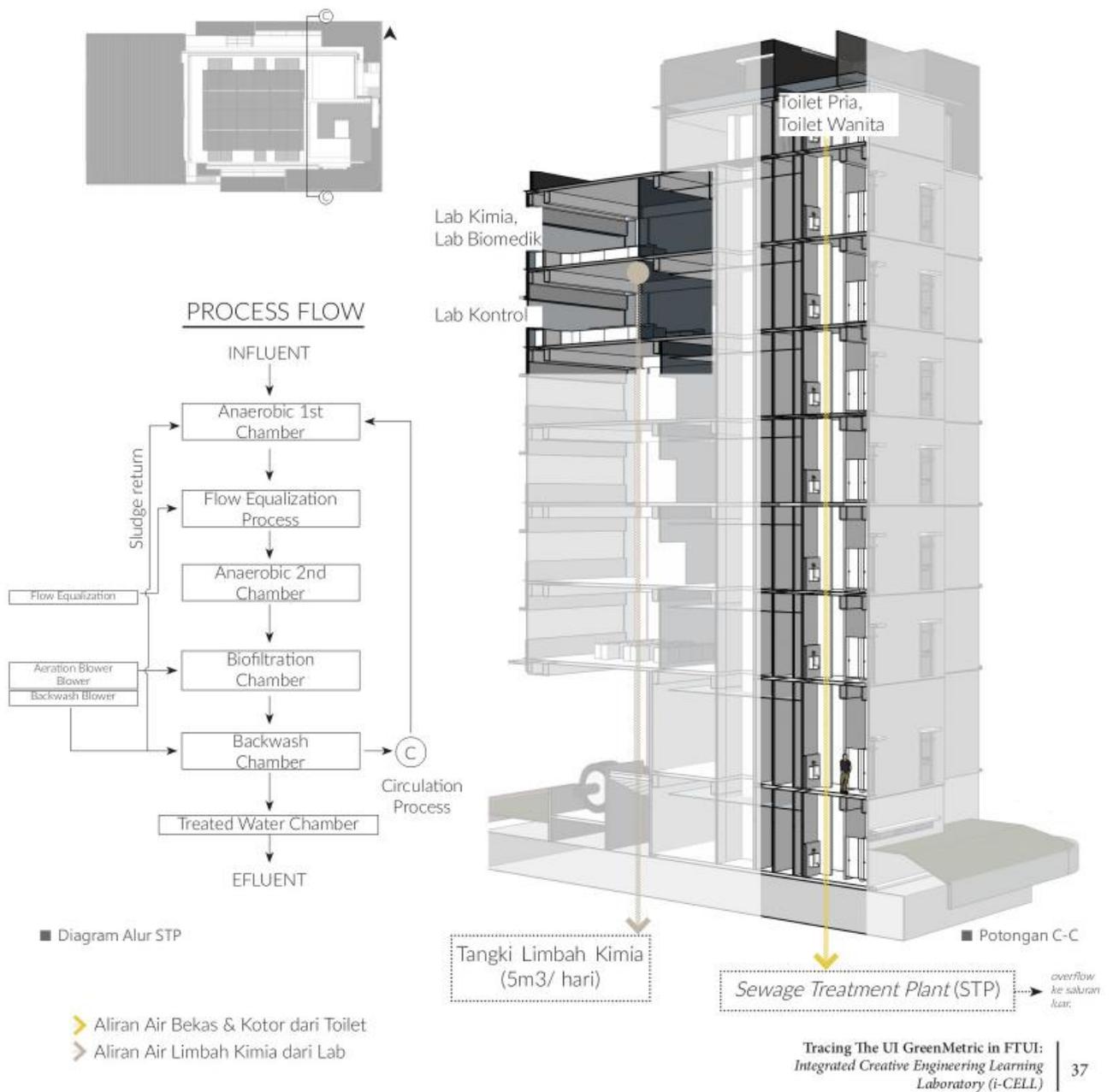


Figure 5 Water Treatment Flow

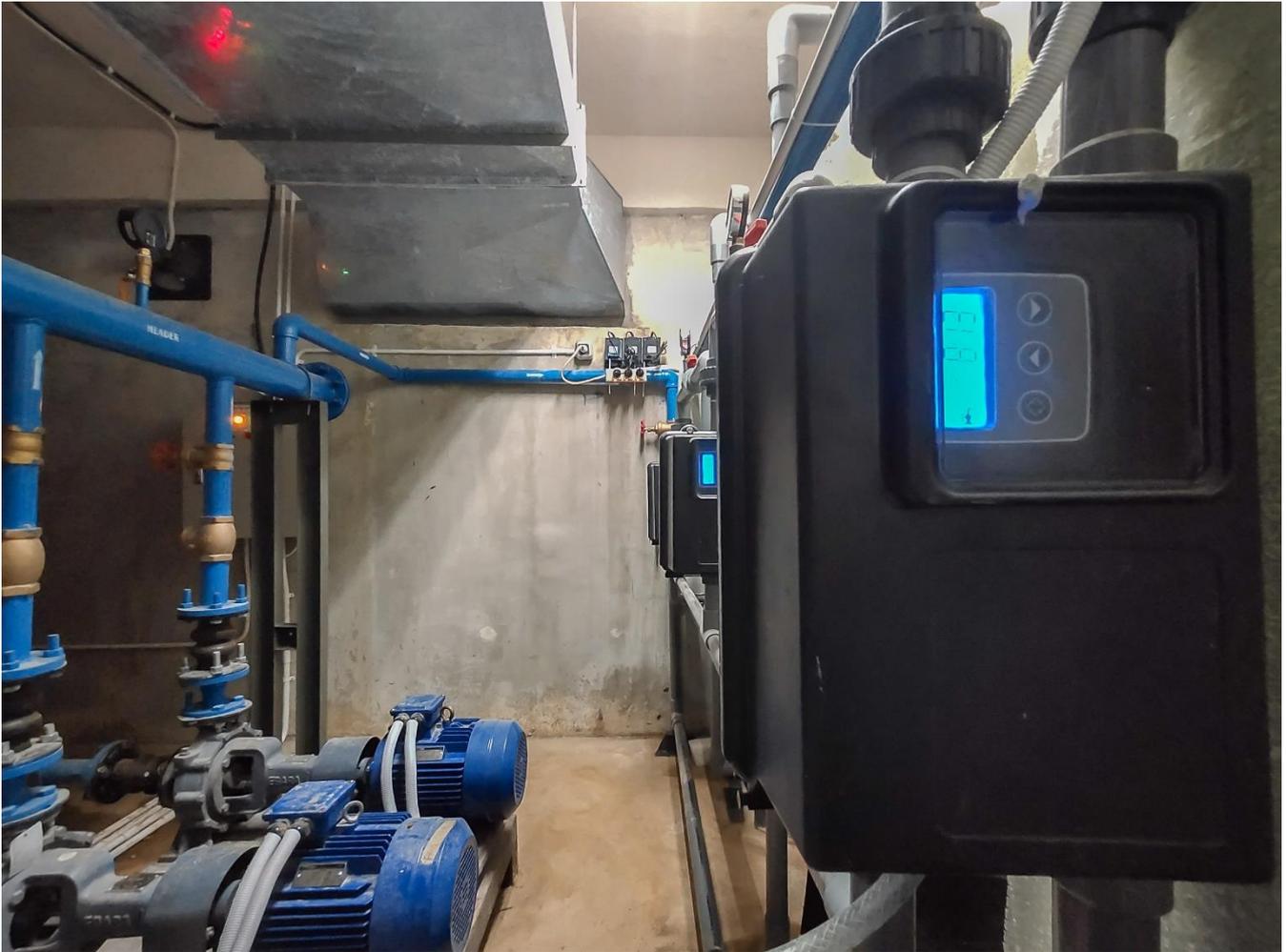


Figure 6 Biofiltration Chamber

Description:

Faculty of Engineering UI has an environmental management plan to minimize physical, chemical, and biological alterations of related aquatic ecosystems. FTUI tries to manage any changes in the environment caused by the campus activities, one of the environmental managements is applied to the i-CELL building. I-CELL has water treatment flow for Rainwater and Chemical Waste.

Link Evidence:

<https://edgebuildings.com/project-studies/i-cell-ftui/>

<https://pubhtml5.com/sstc/eesq/basic> (Page 34-39)