



THE Impact Rankings Questionnaire

University **Universitas Indonesia**

Country Indonesia Web Address www.ui.ac.id

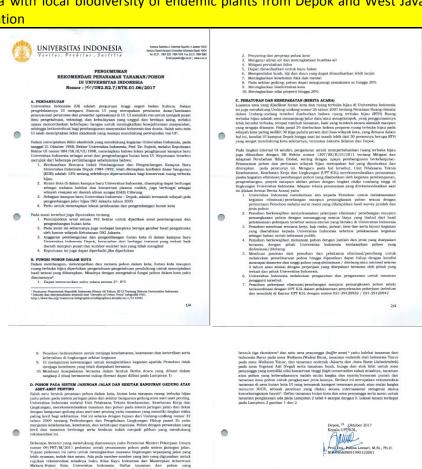
[15] SDG15: LIFE ON LAND

[15.3] Supporting land ecosystems through action

[15.3.3] Include local biodiversity into any planning and development process (e.g. construction of new buildings)

Recommendation on Plant Enrichment and Arboretum Master Plan

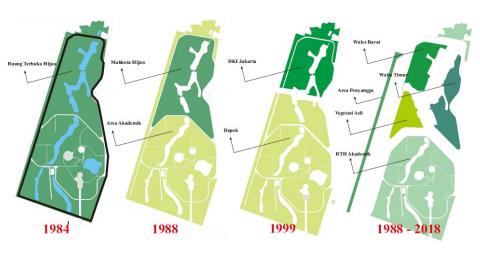
Universitas Indonesia (UI) commits to support local biodiversity in their urban forest areas. UI has a master plan for the Arboretum and also supports plant enrichment with local species. Natural vegetation is an urban forest area with local biodiversity of endemic plants from Depok and West Java, according to UI's geographical location

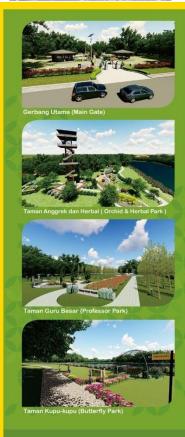














MASTERPLAN ARBORETUM MAKARA -HUTAN KOTA UNIVERSITAS INDONESIA

LEGENDA:











Description:

Universitas Indonesia includes local biodiversity in the planning and developing process, such as constructing new buildings. Universitas Indonesia's (UI's) urban forest is part of the campus area and has been so for more than 30 years. It was found that Universitas Indonesia's urban forest was divided into three zones: Wales Barat, Wales Timur, and Natural Vegetation (consisted of trees from Jakarta and West Java).—Universitas Indonesia's urban forest has experienced secondary succession for a period of time, including eliminating dead trees, species enrichment throughout replanting, and invasive (fast-growing) species dispersion. In developing its physical areas, Universitas Indonesia adheres to the 2016 - 2026 Master Plan, which requires that all physical development to sustain the campus forest and conserve the local biodiversity. The building coefficient is maintained at 15%. All physical development planning is overseen by Universitas Indonesia Office of Occupational Health, Safety, and Environment.

The zoning is based on the imaginary line, which was the formed vegetation zone found by Alfred Russel Wallace and functioned as a facility for germplasm collection and conservation. Universitas Indonesia's urban forest has experienced secondary succession for a period of time, including eliminating dead trees, species enrichment throughout replanting, and invasive (fast-growing) species dispersion. Those conditions have changed the structure of vegetation in UI's urban forest. Reassessing the zonation of UI's urban forest is essential. The reassessment was carried out by data inventory of replanting from 1988 to 2018 and the use of periodic inventory data. The reassessment result showed that UI's urban forest's zonation being a facility for germplasm collection and conservation, is not changed (has not been altered).

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Evidence Link:

- 1. https://scholar.ui.ac.id/en/publications/reassessing-the-benefits-and-costs-of-universitas-indonesias-urba
- 2. https://jakarta.tribunnews.com/2019/08/21/946-mahasiswa-baru-fib-ui-tanam-pohon-langka-di-area-kampus
- 3. https://k31.ui.ac.id/download/rekomendasi-penanaman-tanaman-pohon-kampus-ui/