



Cityscape Greenery: Management of Urban Forest

UNDERGRADUATE THESIS

Submitted as one of the requirements to obtain Sarjana Komputer

(S.Kom)

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FACULTY OF COMPUTING SYSTEM

INFORMATION STUDY PROGRAM

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DECLARATION INDEX

Final Project

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ABSTRACT

A key component of sustainable urban environmental management is urban vegetation. The goal of this project is to create a system-based application that can use smoke detectors to identify forest fires, measure rainfall, and monitor the condition of urban forests. To find the location of the user and the nearest tool, the program also utilizes GPS technology. Literature review, requirement analysis, system design, implementation, and assessment are some of the research techniques used. The results showed the application's ability to provide up-to-date data on urban forest conditions, rainfall, and early identification of forest fires. To preserve the environment, it is hoped that this application can be a useful resource for urban forest rangers, environmental stakeholders, and the general public.

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