

THE 3rd GENERATIONS OF BIKESHARING DEVELOPMENT IN INDONESIA

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Abstract

Introduction of Bike-sharing as an eco-friendly public transportation program started to grow in developing countries. This public transportation means is in the form of an integrated networking bike fleet, and turns into a feeder for other public transportation systems. Bandung city as one of the pioneers in Indonesia try to develop and operate the first 3rd generation of bike-sharing. This alternative transportation solution is expected to reduce the uses of public transportation and hence pollution levels. Other sub sequential benefits may trigger improvements in people's mobility, health, productivity, and happiness, subsequently increasing a city's livability index. This research is the second prototype of the continuous development of bike-sharing stations by applying third generation technology in Indonesia. In the present research, we endeavored to develop bike-sharing stations by applying the latest technology, NFC smart card.

Keywords: Bike-sharing, 3rdGeneration System, NFC, RFID, SmartCard.

