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THESIS TITLE: AN INITIAL STUDY OF PROXIMITY MOBILE PAYMENT SERVICES USING NEAR FIELD COMMUNICATION (NFC) IN INDONESIA

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Abstract

Objectives: to analyze the viability of implementing proximity mobile payment technology using NFC in Indonesia and to provide guidance on ideal mechanism which considers all related technical and business-related requirements.

Method: This initial is conducted through analysis of various literatures in Near Field Communication technology and implementation, including standard bodies' white papers, case studies on pilot projects around the world, patents, recent articles, journals and supplementary books.

Results: Compared to other alternatives of mobile payment, the proximity mobile payment using NFC technology clearly has an advantage. Not only it is fast, secure, and intuitive, the implementation of NFC opens up a new world of opportunities to be used for other value-adding purposes aside from proximity mobile payment services. All business-related and technical requirements have been addressed in the proposed business process and proposed hardware and system.

Conclusion: The benefits and potential growth in Indonesia supports business cause for investing in this breakthrough payment service. Proposed mechanism is also in place.

Key words: near field communications, mobile payment