

## ABSTRACT

Savings behavior is a behavior that is very good and should be inculcated from childhood. Basically saving is used to train a person to be able to control their needs and to plan its future. To support these habits at an early age children need the system in the form of e-mini bank.

To comply was made based on radio frequency identification technology (*Radio Frequency Identification*). *Radio Frequency Identification* (RFID) is an identification technology that is flexible, easy to use, and is suitable for automatic operation. RFID technology can be used to identify the customer in the e-mini bank. This technology uses *RFID tags* that can be detected in the range of a few centimeters by the RFID reader. This technology will be integrated to *RFID tags* to facilitate the transaction process, the *RFID tags* are later integrated again with *NFC Shield*. *NFC Shield* is used as the *master* to read data stored in the *RFID tag*.

The results of this final project is expected to result in the implementation of customer identification subsystem using RFID on e-mini bank.

**Keywords:** *RFID (Radio Frequency Identification), NFC Shield*