

## ABSTRACT

---

*Safety box is a tool used for saving things, assets and important documents. The crime cases which breaking breaking the safety boxes often happen because of un standard safety quality used. That is why is needed to improve/ increase the safety and efectivity of safety box system by main locked by NFC tag or smartphone equipped by NFC fitur n code. NFC is a project to equip the safety box user by using mobile phone equipped NFC fitur as safety key of boxes. Users can open the boxes by using application which has been installed in their mobile phone. Which has the fitur to open and replace the boxes' password. The boxes will be opened, and the password will be replaced whenever NFC mobile phone is adhered to NFC reader of safety box. There are some components are used to produce this box such as Arduino Nano, NFC Reader, Selenoid and LCD App inventor are softwares used to produce this application. The result is user can open the box and replace the password by using mobile phone.*

*Keywords: Save Deposit Box, NFC, Arduino Nano, App Inventor*