ABSTRACT
**ELECTRONIC ELECTION MODEL OF REGIONAL HEAD READING
ON RADIO FREQUENCY IDENTIFICATION IN ELECTRONIC
RESIDENCE IDENTIFICATION CARD**

By :

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Elections is a means of implementing the sovereignty of the people in a democratic system to elect representatives of the people, as well as one of the fulfillment of human rights of citizens in the political field are held directly, general, free, confidential, honest and fair in the Unitary Republic of Indonesia based on Pancasila and the Constitution of the Republic of Indonesia 1945. This time the election is a means to elect members of Indonesian Legislative Assembly, Parliament, Council, the President and the vice, the Governor and the vice, as well as the Regent / Mayor and the vice.

Electronic election model are made using passive Radio Frequency Identificarion (RFID) tags contained in the Electronic Residen Identification Card (KTP electronic) for identification. By using NFC Shield as the Unique Identify (UID) reader sensor and microcontroller Arduino Mega 2560 as controller. Visual Basic 6.0 Enterprise to create a graphical user interface (GUI) and MS. Access as database management.

From the test results showed that all parts of the system is running properly. NFC Shield can be read KTP electronic's UID tag which are then forwarded to the database on computer to be identified by comparing the received UID against voter database table and absentee table to make sure the right voice can still be used. After deciding UID system is accepted, will continue in the voting process. The system sends the ballot and give residents the choice. At the appointed time which indicated they were voting over, the admin can do recapitulation. However there are some KTP electronic are not readable by the system which means it has been damaged duo to a broken, cracked, oe melt. It can be concluded that the model of electronic elections reading on RFID in KTP electronic RFID can be an alternative model of e-voting.

Keyword: Model, RFID, *Database*, NFC Shield, UID, Mikrokontroller, KTP electronic, election.