ANALYSIS AND DEVELOPMENT OF E-VOTING USING GROUP BLIND DIGITAL SIGNATURE METHOD RSA ALGORITHM

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09.622.045

Information submitted to the Faculty of Engineering Program
Muhammadiyah University of Gresik to meet most requirements of obtaining an
undergraduate degree S-1 Engineering Program Information

ABSTRACT

The geographical condition of Indonesia's extensive become its own problems related to elections in the distribution of ballot papers and all associated with the implementation of the democratic party. in the general election is still done conventionally frequent mistakes caused by human error, or due to the support system the implementation of voting is not going well, the mistakes are, among others, errors in the voter registration process, voter wrong in giving marks pilihanya , the length of the sound card collection process, the lengthy process of vote counting, the security of data transmission.

The problems which made the validity of the voting results as well as data security is still in doubt, it must quickly think about how the implementation of the democratic party can be executed in real time online and there is no more reason for the constraints of space and time. In addition, another consideration that advances in technology and the availability of the internet could be the main reason for no longer delay the implementation of the democratic party online. e-voting is possible to carry out a relatively new technology to support the implementation of the democratic party, to maintain the confidentiality of e-voting system uses a method group blind digital signatures with RSA algorithm to produce data that is encrypted in the voter's choice can not be known to whoever well as in the data encryption is added to the digital signature by representative groups for the delivery of data so that data security is maintained.

Tests using the number of registered voters of 50 voters, 30 voters who cast his vote, got the vote for number one pair 13 votes, the number two 10 voices, couple number three 2 votes, sendangkan for invalid votes 5 votes, whereas that is not use the voting rights of 20 voters. Then the candidates who receive the most votes are a couple of candidates with number one by a vote of 13 votes.

Keywords: Elections, e-voting, group blind digital signature RSA method.

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