

Email Encryption Using Hybrid Cryptosystem Based on Android

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Abstract—21st century is often called the Information Century. Information technology is being used in all areas of life from medicine to astronomy. The list of developments and advances happened in those areas thanks to information technology penetration is endless. As the world become digitized more and more and information technology becomes ubiquitous, creating electronic and digital phenomena such as digital economy, e-democracy, e-government, e-business, e-bank, e-health system, e-education, even e-agriculture, traditional illegal activities are penetrating into the virtual world as well. As a result, an entirely new type of criminal activities has emerged threatening the security and integrity of the system, network, and information. In case of a system error, it can be fixed after a certain amount of time, but how about information security? This is becoming one of the most important problems.

Keyword—Hybrid Cryptography, symmetric encryption, asymmetric encryption, secure email.



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