BORIZQY SECURE ENCRYPTION (BOSE) CRYPTOGRAPHY BY IMPLEMENTING HUFFMAN ALGORITHM IN VIRTUAL CREDIT CARD SYSTEM
(Case Study: Fiko.in)

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ABSTRACT

Virtual credit card is virtual forms of credit cards for online transaction in cyberspace. Virtual credit card has the same data as credit cards in general, they are data card numbers, expiration dates, and security codes. Virtual credit card can be used to transact by others who knows the three data. Cryptography was made using the Borizqy Secure Encryption (BOSE) algorithm which implements the Huffman algorithm to encrypt virtual credit card data using a private-key that is only known to the owner of the virtual credit card. Cryptography allows virtual credit card data to be stored in an encrypted form, then the owner of the virtual credit card decrypts encrypted data using a private-key that is predetermined when encrypting data.

Keywords: *cryptography, borizqy secure encryption, security, virtual credit card*