PENGEMBANGAN *QUICK RESPONSE CODE* PADA PELABELAN DOKUMEN SERTIFIKAT TANAH MENGGUNAKAN *ALGORITMA RSA* BERBASIS SERVIS

ABSTRACT

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The SHM document (Certificate of Land Ownership) is one of the most important factors in the life of the society. The problem that now arises is that the number of double and false certificates has been found, thus causing legal uncertainty, because if it does not deal properly it will potentially harm various parties and bring up legal disputes between related parties. In the preparation of documents, state agencies making land documents called BPN (National Land Agency) currently still have shortcomings, such as securing the contents and confidentiality of the document. SHM (Land Title Certificate) is a valid proof of certain land ownership, so the authenticity of the content must be maintained. Labeling of SHM documents in the form of QR Code that has been encrypted is the most powerful in overcoming falsification or duplication of documents. A phone that has an operating system and can access the internet is one of the main features of Smartphones. The method used later is to use QR Code bar code with RSA algorithm encryption. So, the data in the form of identity of the land owner will be automatically encrypted by the system and generate into Qr Code. The result of this research is a SHM document labeled QR Code that has been encrypted, so if you want to know the authenticity of documents directly using android by scanning the document labeled.

Keywords: *Qr Code, RSA algorithm, cryptography, SHM.*