

## ABSTRACT

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*In this final project writing discusses the encoding - decoding remote control car. Software Defined Radio (SDR) used is HackRF which can capture 27Mhz radio wave signal. The application used is Git Repository Remote Control (Gr-RC) to process the 27Mhz radio-decoding decoding. The purpose of writing this final project is to prove that the radio waves generated by the remote can be captured by HackRF and then in the process and forwarded to the car remote control. The result of this process can be concluded that the remote generating wave to move the remote control car can be encoded, processed its wave, then can be decoding via HackRF to be forwarded to remote control car.*

*Keywords: Encoding, Decoding, Gr-RC, SDR, HackRF*