

# VHF 2 METER SLIM JIM ANTENNA

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## ABSTRACT

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Using antenna for wireless communication system has gained overwhelming interest since last decades both in academic and industry. In this project, a 'VHF Slim Jim Antenna ' a omnidirectional folded dipole antenna will be built to transmit and receive radio signals from various HAM user all around Malaysia. The study on folded-dipole antenna will be conducted to know the origin and the characteristic of Slim Jim antenna. The gain, SWR, resonance, impedance, radiation pattern and measurement will be studied. The antenna will be designed and built. Finally, the prototype Slim Jim antenna will be tested to transmit radio signal by licensed HAM user.

In this project report, I will bring out general idea of my project structure process. The feature function on parts and design will be exhibited.