

UNIVERSITI TEKNOLOGI MARA

**GAIN ENHANCEMENT OF CORPORATE
FEED LINEAR ARRAY MICROSTRIP
ANTENNA**

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ABSTRACT

In this paper 2.4 GHz corporate feed linear array microstrip antenna for point to point communication system is designed. The 2 by 8 corporate feed linear array antenna were designed, simulated with the aid of Computer Simulation Tool (Microwave Office Studio). After fabricated, the prototype antenna been measured. Stub matching technique was introduced to tune the required frequency that has been shifted in the measurement results of return loss to 2.4 GHz. The simulation results of radiation pattern produced high gain, 16.54 dB.

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