

## LIST OF TABLES

1.1	Comparative Results[7]	3
3.1	Specification of the antenna design.	14
3.2	Initial dimension of the antenna.	19
3.3	Result of the Surface Current on Tested Frequency for Initial Design	20
4.1	The dimension of the pattern of Variant Batik Pattern A.	24
4.2	Result of the Surface Current on Tested Frequency for Batik Pattern A Variants	25
4.3	The dimension of the pattern of Variant Batik Pattern B.	28
4.4	Result of the Surface Current on Tested Frequency for Batik Pattern B Variants	29
4.5	Result of the Surface Current on Tested Frequency for Batik Pattern A Optimize Variants	33
4.6	Result of the Surface Current on Tested Frequency for Batik Pattern B Optimize Variants	37
4.7	Parameter Comparison for Effective Radius (ae)	39
4.8	Result of Antenna Simulation for Batik Pattern Variant A and B based on Efficiency	41
4.9	Result of Antenna Simulation for Batik Pattern Variant A and B based on VSWR	42
4.10	Result of Antenna Simulation for optimized Batik Pattern Variant A and B based on efficiency	42
4.11	Result of Antenna Simulation for optimized Batik Pattern Variant A and B based on VSWR	43