

LIST OF TABLES

Table 2. 1 Rainfall Threshold.....	7
Table 2. 2 Major Himawari-8 specifications.....	8
Table 2. 3 Spectral channel	9
Table 2. 4 Heavy rain detection parameters	12
Table 2. 5 Previous research	14
Table 3. 1 Dataset.....	35
Table 4. 1 Summarized Dataset	42
Table 4. 2 Summarized Dataset Heavy Rain Data	43
Table 4. 3 Grouping Parameter	53
Table 4. 4 Summary Model.....	53
Table 4. 5 Model Training Summary	87
Table 4. 6 Model Simulation Result Summary 2-Hour Model With 100 Hidden Layers.....	88
Table 4. 7 Summary of Simulation Results of the 4 Best Models	89