

LIST OF TABLES

| | | |
|------|--|----|
| 2.1 | The throughput value parameter[2] | 18 |
| 2.2 | The delay value parameter[3] | 18 |
| 2.3 | The perfect classifier | 20 |
| 2.4 | The worst possible classifier | 21 |
| 3.1 | The hardware specification | 31 |
| 3.2 | The software specification | 31 |
| 3.3 | The device hardware specification | 32 |
| 3.4 | The device software specification | 32 |
| 3.5 | The train/test data split parameter in this thesis | 35 |
| 3.6 | The dataset soil moisture condition | 36 |
| 3.7 | The dataset temperature condition | 36 |
| 3.8 | The train/test data split parameter in this thesis | 36 |
| 3.9 | The accuracy score parameter in this thesis | 38 |
| 3.10 | The confusion matrix parameter in this thesis | 38 |
| 3.11 | The classification report parameter in this thesis | 39 |
| 4.1 | The hardware test | 40 |
| 4.2 | The database page test | 45 |
| 4.3 | The total data training and testing in this thesis | 51 |
| 4.4 | The parameter calculation in this thesis | 54 |