

## LIST OF TABLES

Table II.1 ESP32 Board Specifications.....	10
Table II.2 Agile Method Consideration .....	16
Table II.3 Waterfall Method Consideration.....	18
Table II.4 Development Methods Comparison.....	19
Table III.1 General System Requirements .....	31
Table III.2 System Requirements.....	32
Table III.3 Main Component Usability Testing.....	36
Table III.3 Main Component Usability Testing (Continued).....	37
Table III.4 Arduino Programming Script Parts.....	41
Table III.4 Arduino Programming Script Parts (Continued) .....	42
Table IV.1 Realtime Database Entry .....	51
Table IV.1 Realtime Database Entry (continued).....	52
Table IV.2 Sensor and Output Pins in ESP32.....	56
Table V.I Integration Testing Result.....	69
Table V.II Finding Mean of Delay Time .....	70