

LIST OF TABLES

Table 1.1 State of The Art.....	3
Table 2.1 Pseudocode of FNV-1a Hash.....	20
Table 2.2 Pseudocode of MurmurHash3.....	21
Table 2.3 Pseudocode of Original xxHash32.....	23
Table 3.1 Pseudocode of Proposed System Model	34
Table 3.2 RFID Data Stream Format	36
Table 3.3. Pseudocode of Modified xxHash32	41
Table 3.4 Comparison of Modified xxHash32 and Original xxHash32	44
Table 3.5 Testing Scenario.....	48
Table 4.1 Testing Result of Linear Search with Static Memory Allocation	57
Table 4.2 Testing Result of Linear Search with Dynamic Memory Allocation	60
Table 4.3 Testing Result of Hash-based : FNV-1a	61
Table 4.4 Testing Result of Hash-based : MurmurHash3.....	62
Table 4.5 Testing Result of Hash-based : xxHash32	63
Table 4.6 Testing Result of Bloom Filter using FNV-1a Hash.....	66
Table 4.7 Testing Result of Bloom Filter using Murmur3 Hash	67
Table 4.8 Testing Result of Bloom Filter using xxHash32.....	68
Table 4.9 Testing Result of Combination Bloom Filter and Table using FNV-1a Hash	73
Table 4.10 Testing Result of Combination Bloom Filter and Table using Murmur3 Hash	73
Table 4.11 Testing Result of Combination Bloom Filter and Table using xxHash32	74
Table 4.12 Testing Result of Modified xxHash32	79
Table 4.13 Algorithm Comparison Result	81