
LIST OF FIGURES

2.1 Framework L. Xiang et.al Method [19]	6
2.2 Skip Gram Model [10]	7
2.3 Form Pattern of HPSG [12] by Carl Jesse Pollard, Ivan A. Sag	10
2.4 AVM of HPSG [12]	10
2.5 T-Lex System	12
2.6 Diagram Physical of QRNG [4]	12
2.7 Blochsphere[2] of Superposition Qubits	13
2.8 The Probability of Qubit State [2]	14
2.9 Confusion Matrix	15
3.1 Block Diagram Preprocessing to Fitness Context	18
3.2 Algorithm of Fitness Context	19
3.3 Illustration of Skip-Gram Model	22
3.4 Block Diagram of Build Cover to Embedding System	26
3.5 Block Diagram of Generating Sentences	26
3.6 Block Diagram of Create Grammar Rules	27
3.7 Block Diagram of Parsing Rules	27
3.8 Block Diagram of Axiom Random Selection	28
3.9 Block Diagram of Expand non terminal	28
3.10 Block Diagram of Select Rules	29
3.11 Block Diagram of Select Words	29
3.12 Algorithm of Generating Sentences	30
3.13 Example of implement HPSG	31
3.14 Parse Tree CFG	32
3.15 Graph of word starts	33
3.16 Graph of word start with threshold	34
3.17 Algorithm of QRNG	35
3.18 Flow of Zero-width Character	37
3.19 Algorithm of ZWC in This Research	37
3.20 Block Diagram of Embedding System	38
3.21 Algorithm of Embedding system	39
3.22 Parse Tree of Huffman code	40
3.23 Block Diagram of Extraction System	44
3.24 Flowchart of ZWC Extraction	45
3.25 Block Diagram of Secret Message Extraction	46
3.26 Algorithm of Extraction secret message	46
3.27 Block Diagram of Classification System	47

3.28	Embedding secret message with parameter	49
3.29	Extraction secret message with parameter	50
3.30	Embedding secret message without parameter	50
3.31	Extracting secret message without parameter	50
4.1	Total sentences embedded with SM 3 Bit	53
4.2	Total sentences embedded with SM 4 Bit	54
4.3	Running Times of Embedding for 3 bits	54
4.4	Running Times of Embedding for 4 bits	55
4.5	Running Times of Extraction for 3 bits	55
4.6	Running Times of Extraction for 4 bits	56
4.7	Comparison of accuracy between previous and proposed method for 3 bits .	56
4.8	Comparison of accuracy between previous and proposed method for 4 bits .	57