## LIST OF FIGURES

2.1	Standard structure of RNN that process sequence of input [17]	7
2.2	The Arabic pattern table	13
2.3	The Arabic pattern table consists of prefix, infix, suffix, and root	13
3.1	Major flowchart of the entire system	15
3.2	Breakdown the flow chart that show the entire process of the system $\ \ \ldots \ \ $	16
3.3	Data preprocessing process which consists of preprocessing and generating	
	process	17
3.4	Build RNN model process which consists of pattern extraction, word vec-	
	torizing, split data , training and testing processes	18
3.5	The simple RNN architecture takes the input as a prefix, infix (root and	
	diacritics), suffix, and the output is verb-form (wazan)	21
3.6	The testing process is to test the model and get the final output which is	
	morphosyntactic description (MSD) $\dots \dots \dots \dots \dots \dots$	22
4.1	The Jabalin online interface for Arabic morphological analyzer	31