LIST OF TABLES

Table 2.1	Filtration spectrum of different membranes	22
Table 2.2	Properties of typical activated carbon	25
Table 3.1	Characteristics of GAC used in the experiment	36
Table 3.2	Characteristics of TL used in the experiments	37
Table 3.3	Experimental conditions investigated	40

LIST OF FIGURES

Figure 2.1	Sources of pollution in textile manufacturing	12
Figure 2.2	Schematic diagram of a typical electrochemical	18
	treatment.	
Figure 2.3	RO Membrane Filtration Plant	21
Figure 2.4	Ozone Manufacturing Plant	24
Figure 2.5	Activated Carbon Adsorption Plant	25
Figure 2.6	The adsorption transition from physical to chemical With the increase of temperature	28
Figure 2.7	Traube's Rule	34
Figure 3.1	Molecular structure of C.I. Direct Blue 199	38
Figure 3.2	Spectrophotometer	40
Figure 3.3	Electrical Balance	41
Figure 3.4	PH meter	41
Figure 3.5	Shaker	42
Figure 3.6	Centrifuge	42
Figure 4.1	Effect of PH on percent removal of color dye by	44
	activated carbon	

Figure 4.2	Effect of PH on percent removal of color dye by	44
	tea leaves	
Figure 4.3	Effect of PH on percent removal of color dye by	45
	Saw dust	
Figure 4.4	Effect of PH on percent removal of color dye by	45
	rice husk	
Figure 4.5	Effect of adsorbent weight on percent removal of	47
	color dye by activated carbon	
Figure 4.6	Effect of adsorbent weight on percent removal of	47
	color dye by tea leaves	
Figure 4.7	Effect of adsorbent weight on percent removal of	48
	color dye by Saw dust	
Figure 4.8	Effect of adsorbent weight on percent removal of	48
	color dye by Rice husk	