List of figure

		Page
Figure 1	Alhazza (Haplophyllumtuberculatum) shrub	37
Figure 2	The UV spectrum of compound1	65
Figure 3	The IR spectrum of compound 1	67
Figure 4	The ¹ HNMR spectrum of compound1	69
Figure 5	The mass spectrum of compound 1	71
Figure 6	The UV spectrum of compound 2	73
Figure 7	The IR spectrum of compound 2	75
Figure 8	The ¹ HNMR spectrum of compound 2	77
Figure 9	The mass spectrum of compound 2	79
Figure 10	The UV result of compound 3	81
Figure 11	The IR result of compound 3	82
Figure 12	The UV result of compound 4	84
Figure 13	The IR result of compound 4	85

List of tables

		Page
Table 1	Orders and families containing alkaloids in the plant	4
Table 2	Previous investigation of H. tuberculatum	43
Table 3	7flourescent components obtained under the UV light	62
Table 4	The components which gave positive result with Dragendorrf's reagent	63
Table 5	The UV result of compound 1	64
Table 6	The mass spectrum result of compound 1	70
Table 7	The UV result of compound2	72
Table 8	The mass spectrum result of compound 2	78
Table 9	The UV result of compound 3	80
Table 10	The UV result of compound4	83
Table 11	The anti-microbial activity of H.tuberculatum extracts	87