

LIST OF TABLES

Table	Page
LITERATURES REVIEW	
1. Plasma TNF levels in patients infected with <i>P. vivax</i> and <i>P. falciparum</i>	12
2. Effect of Incubation temperature at 40°C on parasitaemia of <i>P. falciparum</i>	15
3. Febrile temperature-induced alterations in the <i>P. falciparum</i> gene expression regarding to their assigned biologic functions	19
MATERIALS AND METHODS	
4. The mimicking febrile temperature during 48 hours	54
5. The mimicking febrile temperature during 48 hours under drugs stress	56
RESULTS	
6. The reinfection ratio of K1 and 3D7 strain of both non-HS and HS group.	67
7. The total parasite number of isolate PF91, PF112, PF235, TMPF224 and TMPF 225 (non-HS and HS).	73
8. The rate of reinfection of isolate PF91, PF112, PF235, TMPF224 and TMPF 225 (non-HS and HS). The <i>p</i> value represents the correlation between non-HS and HS group which is significantly different	74
9. The drug susceptibility (IC ₅₀ value) of standard strain (K1 and 3D7) and isolate PF91, PF112, PF235, TMPF224 and TMPF 225 after HS and non-HS condition	79
10. The drug susceptibility (IC ₅₀ value) of standard strain (K1 and 3D7) and isolates PF91, PF112, PF235, TMPF224 and TMPF 225 after HS and non-HS condition at the end of phase B followed by one round of culture at 37°C	80

LIST OF TABLES (Cont.)

Table	Page
11. The total number of parasite in K1 under non-heat shock (K1 non-HS), K1 under heat shock (K1 HS), K1 under non-heat shock with chloroquine (K1 non-HS CQ) and K1 under heat shock with chloroquine (K1 HS CQ).	84
12. The total of parasite number of 3D7 under non-heat shock (3D7 non-HS), 3D7 under heat shock (3D7 HS), 3D7 under non-heat shock with chloroquine (3D7 non-HS-CQ) and 3D7 under heat shock with chloroquine (3D7 HS CQ).	88
13. The total number of parasite number of fives isolate under different conditions such as non-heat shock (non-HS), heat shock (HS), non-heat shock with chloroquine (non-HS-CQ) and heat shock with chloroquine (HS CQ)	94
14. The total of parasite number of K1 under non-heat shock (K1 non-HS), K1 under heat shock (K1 HS), K1 under non-heat shock with Artesunate (K1 non-HS-ARS) and K1 under heat shock with Artesunate (K1 HS ARS).	98
15. The total number of parasite strain 3D7 under non-heat shock (3D7 non-HS), 3D7 under heat shock (3D7 HS), 3D7 under non-heat shock with Artesunate (3D7 non-HS ARS) and 3D7 under heat shock with Artesunate (3D7 HS ARS).	102
16. The total of parasite number of fives isolates under non-heat shock (non-HS), heat shock (HS), non-heat shock with ARS(non-HS ARS) and heat shock with ARS (HS ARS).	108