

LIST OF FIGURES

Figure		Page
1	Exposure chamber: a 250-ml Erlenmeyer flask plugged with No.6 rubber stopper a: gas inlet tube b: gas outlet tube.....	15
2	(A) Tube connector joined between gas inlet tubing for test chambers and a latex tube connecting a gas mixing apparatus, (B) gas flushing apparatus. a: Gas mixing apparatus b: Carbon dioxide cylinder c: Nitrogen cylinder.....	16
3	(A) Gas Analyzer, (B) gas inlet and outlet tubes closed with Hoffman clamps after exposure to particular atmospheres, and (C) exposure chambers closed with absorbent paper after the desired exposure time	18
4	Developmental stages of <i>Platydema waterhousei</i> Gelbien (x11). (A) Egg (B) Fifth instar larva (C) Fibrous cocoon (D) Adult male (E) Adult female.....	23
5	Eggs of <i>Platydema waterhousei</i> Gelbien (x11). (A) Normal eggs before exposure to modified atmospheres and (B) shrunken eggs after 4-hr exposure to G1 atmospheres, 100%CO ₂ , at 25.7±4.9°C, 56.5 ±11.6% rh and under a 12:12 (L:D) natural photoperiod.....	26
6	Larva of <i>Platydema waterhousei</i> Gelbien (x11). (A) A normal larva before exposure to modified atmospheres and (B) a dried larva after 6-hr exposure to G1 atmospheres, 100%CO ₂ , 25.7±4.9°C, 56.5 ±11.6% rh and under a 12:12 (L:D) natural photoperiod.....	26
7	Pupa of <i>Platydema waterhousei</i> Gelbien (x11). (A) A normal pupa before exposure to modified atmospheres, (B) a shriveling pupa and (C) an incomplete emerged adult after 12-hr exposure to G1 atmospheres, 100%CO ₂ , at 25.7±4.9°C, 56.5 ±11.6% rh and under a 12:12 (L:D) natural photoperiod	27

LIST OF FIGURES (Continued)

Figure		Page
8	Adult of <i>Platydema waterhousei</i> Gelbien (x11). (A) A normal adult before exposure to modified atmospheres and (B) a dried adult after 2-hr exposure to G1 atmospheres, 100%CO ₂ , at 25.7±4.9°C, 56.5 ±11.6% rh and under a 12:12 (L:D) natural photoperiod.....	27
9	Times of exposure required to produce 50% mortality (LT ₅₀) of eggs, larvae, pupae, and adults of <i>Platydema waterhousei</i> Gelbien when exposed to each atmospheric type at 25.7±4.9°C, 56.5 ±11.6% rh and under a 12:12 (L:D) natural photoperiod.....	34