

**THE EFFECT OF KEBAR GRASS (*Biophytum petersianum* Klotzsch)
EXTRACT AGAINST TO THE NUMBER OF LEYDIG CELLS
OF MICE (*Mus musculus*) EXPOSED BY 2,3,7,8-
TETRACHLORODIBENZO-P-DIOXIN**

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ABSTRACT

This study was aim to examine the effect of *kebar* grass extract (*Biophytum petersianum* Klotzsch) to against number leydig cells of mice (*Mus musculus*) by exposed 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD). Twenty five male mice (*Mus musculus*) 4 months with avarage body weight 20 g were used. These animals were divided into five groups (K(-), K(+), P1, P2 and P3). K(-) was treated with placebo, K(+) was treated by exposed TCCD single dose injection intaperitoneal 7µg/KgBw, P1 was treated by exposed TCCD single dose injection intaperitoneal 7µg/KgBw and *kebar* grass extract 0,045 mg/g Bw/day P2 was treated by exposed TCCD single dose injection intaperitoneal 7µg/KgBw and *kebar* grass extract 0,080 mg/g Bw/day, P3 was treated by exposed TCCD single dose injection intaperitoneal 7µg/KgBw and *kebar* grass extract 1,350 mg/g Bw/day. This research has been conducted for 53 days. The data were compared using *ANOVA* and *Duncan* test by SPSS 22.4 for windows. The result showed that *Kebar* Grass Extract in all of groups can prevent the damage of leydig cells in testis that exposed by TCCD significantly ($p < 0,05$) and *kebar* grass extract 0,135 mg/kgBw/day can increase amount of leydig cells maximaly.

Key words : *Biophytum petersianum* Klotzsch, leydig cells, TCDD