THE EFFECTS OF CIKAL TULANG (*Cissus quadrangularis*) PLANT EXTRACTS AS ANTIOSTEOPOROSIS ON BLOOD UREA NITROGEN (BUN) AND CREATININE LEVELS OVARIECTOMY WHITE RATS (*Rattus norvegicus*)

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ABSTRACT

This experimental study was performed to know the side effect of Cikal Tulang extract in the prevention of osteoporosis in ovariectomy white rat (*Rattus norvegicus*) on renal function based Blood Urea Nitrogen (BUN) and creatinine levels. The experimental animals were 20 female white rats that were divided in 5 activity groups and 4 replications. The groups activity divided, P0 white rats without any activities; P1 ovariectomy white female rats + 0.5% CMC(Na); P2 ovariectomy white female rats + calcium carbonat 450 mg/kg BodyWeight; P3 ovariectomy white female rats + *Cissus quadrangularis* extract 500 mg/kg BodyWeight; P4 ovariectomy white female rats + *Cissus quadrangularis* extract 750 mg/kg BodyWeight. This experimental study was using Completly Randomized Design and continued with the Duncan’s multiple range test. The result of this experimental study was showing that the BUN of ovariectomy white female rats after the given of calcium carbonate or Cikal Tulang extract had no significant difference in P0, P1, P2, P3 or P4. The creatinine in ovariectomy white female rats after the given of calcium carbonate or Cikal Tulang extract was showing a difference result (P<0,05) in group P2, P0, P1 and P3. Yet there was no difference result (P>0,05) in group P4.

Key words: *Cissus quadrangularis*, Blood Urea Nitrogen, Kreatinin, Ovariektomi, Osteoporosis