PENGARUH EKSTRAK TERIPANG LOKAL Phyllophorus sp. TERHADAP DIAMETER GERMINAL CENTER LIMPA MENCIT (Mus musculus) YANG DIINFEKSI Mycobacterium tuberculosis

Abstrak:

This research aimed to find out the potential sea cucumber Phyllophorus sp. extract as an immunostimulant to specific immune response against M. tuberculosis infected. Therefore this research used 36 male mice, BALB-C strain, aged 3–4 month and weighted 30–40 g divide into 6 groups. Negative control group K(-) was given with solvent, without M. tuberculosis infected, positive control group K(+) was given with solvent, M. tuberculosis infected, treatment group (P) was given with Phyllophorus sp. extract, M. tuberculosis infected. Sea cucumber Phyllophorus sp. extract was given continuously for 14 days. Dose given equal to 0.0462 g dry/ kg BW/day. Each treatment group divided into 2 subgroup : Sub group A, infected with M. tuberculosis on day 15 after treatment and sacrificed on day 18, while sub group B: there is group which is infected by M. tuberculosis 2 times, on day 15 and also on day 18, they sacrificed on day 28. The solvent used was CMC 0.5%. The amount of M. tuberculosis suspension which is infected through...
intraperitoneal was 106 CFU. 

The spleen was taken at the end of treatment and histological preparations made. Diameter of splenic germinal center are used as an indicator of least potentially local sea cucumber Phyllophorus sp. as an immunostimulant to specific immune response. Data were analyzed using ANOVA followed Duncan test at $\alpha = 0.05$. The results showed that based on changes in the spleen germinal center diameter of M. tuberculosis infected mice, sea cucumbers Phyllophorus sp. extract was not potential as an immunostimulant to specific immune response.

Keyword:

Daftar Pustaka: