

عنوان مقاله:

Inhibition of Endometriosis Lesions and NF-KB Expression in Mice () Model by Water Extract of

R.Br. Cortex

محل انتشار:

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خلاصه مقاله:

Endometriosis is a gynecological disease in the form of chronic inflammation characterized by the presence of tissue outside the uterine cavity that affects around ۱۷۶ million women around the world. The pathogenesis of this disease is still unknown, resulting in a lack of standard treatment. People in East Nusa Tenggara, Indonesia, use boiled water from the cortex of *Sterculia quadrifida* R.Br. as a menstrual laxative and to treat menstrual pain, believed to be associated with endometriosis. The aim of this study was to investigate how a water extract of the *S. quadrifida* cortex prevents endometriosis lesions from growing in mice (*Mus musculus*) endometriosis models. This study was conducted as a true experimental research, dividing the mice into a control group and three SWE groups at doses of ۲۰۰, ۴۰۰, and ۸۰۰ mg/kgBW. The findings showed that all SWE doses can significantly reduce endometriosis lesions and NF-KB expression compared to the negative control, with the optimal dose being ۸۰۰ mg/kgBW. This activity was predicted due to its flavonoid compounds. These findings demonstrate the significant potential of *S. quadrifida* cortex as a developed herbal medicine for endometriosis treatment

کلمات کلیدی:

Sterculia quadrifida R.Br, Cortex, Endometriosis Lesions, NF-KB, in vivo

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