

ABSTRACT**ANTIGASTRITIC ACTIVITY OF MIXED EXTRACT CLOVE LEAVES (*Eugenia caryophyllata* Thunberg) AND LIME LEAVES (*Citrus aurantifolia*) IN ALCOHOL ABSOLUTE INDUCED GASTRIC INJURY MICE****Indana Lazulfa**

Clove (*Eugenia caryophyllata* Thunberg) and lime (*Citrus aurantifolia*), are medicinal plants that traditionally used for treatment various disease such as gastritis. Eugenol from clove leaves ethanolic extract and limonene from lime leaves ethanolic extract have gastroprotective effect by decreasing the gastric acid secretion and increasing the gastric mucous. In this study, the antigastritic activity of mixed ethanolic extract of clove leaves and lime leaves against alcohol absolute-induced mice was investigated. Mice were treated with 14, 28, and 56 mg/20gbody weight of mixed extract. Famotidin was used as positive control and CMC-Na suspension was used as negative control. After 45 minutes of oral administration, 0.14 ml/20g body weight alcohol absolute were given to all mice. All groups were sacrificed one hour after that.

The evaluation showed that mixed extract in all dose significantly decreased ulser index as compare to negative control group ($p < 0.005$) in macroscopic evaluation. In histopathologic evaluation, all dose significantly decreased mucosal edema and ephitelial cell loss ($p < 0.005$), but in hemorrhage, only 14 and 28 mg/20g body weight doses that showed significant decreasing. These *in vivo* data indicate that the mixed extract of clove leaves and lime leaves has antigastritic activity and could be a possible therapeutic of antigastritic.

Keywords: Antigastritic, *Eugenia caryophyllata* Thunberg, *Citrus aurantifolia*