

## Study of Anti-Ulceration action of white logged mushroom *Lentinus squarrosulus* (Mont.) snack supplement

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**Background:** Gastritis or /and gastric ulcers are one of the most common symptoms which occur in a large amount of the population. It results in a very high amount of medication expense. This study investigated the prevention and treatment of gastritis or /and gastric ulcer actions using white log mushroom *Lentinus squarrosulus* (Mont.) as a snack supplement.

**Method:** White wistar rats were induced with 100% absolute alcohol to be effective for gastritis and /or ulceration within rats. The gastric lesions of white wistar rats were investigated and calculated the lesions of stomach areas under microscopic method. The results were calculated and a comparative study among white wistar rats which were induced with 100% absolute alcohol revealed that the white wistar rats which were given extracted solution of white log mushroom and a solution extracted from snack supplement of white log mushroom can have anti-ulceration healing effects. It was found that

*Lentinus squarrosulus*, (Mont.) consisted of *Beta-glucan* was the active ingredient creating a healing effect.

**Results:** It showed a result of 100% healing effect in gastritis and/or ulcers in which it had similar healing effects between extracted solution of white log mushroom and the solution extracted from snack supplement (250 mg/kg body wt.) The healing activity also showed the equivalent effect compared to cimetidine.

**Conclusions:** Extracted solution of white log mushroom and from snack supplement of white log mushroom showed prevention and treatment efficacy in gastritis and/ or ulcer are equivalent to cimetidine. A further study should be experimented in a clinical comparative study of anti -ulceration efficacy.

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