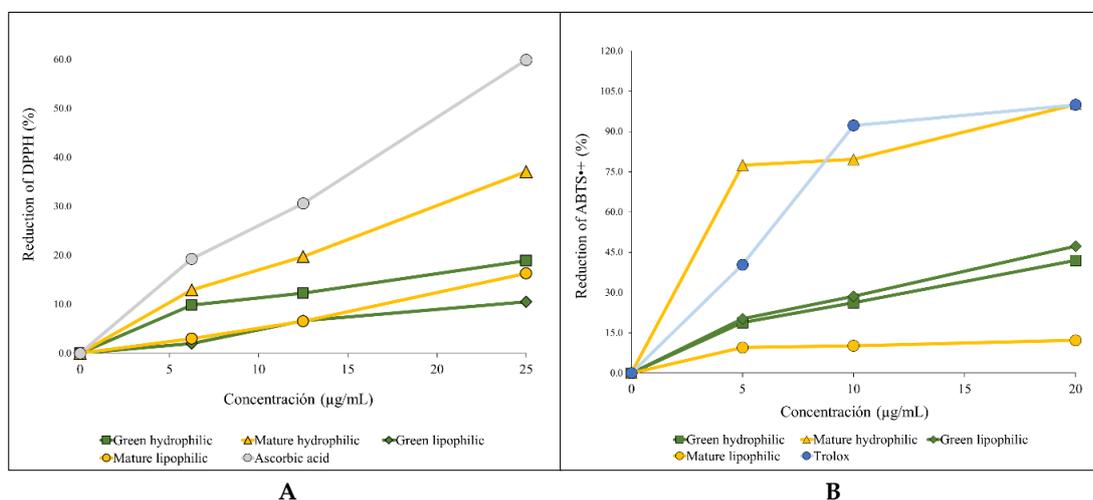


**Supplementary data**

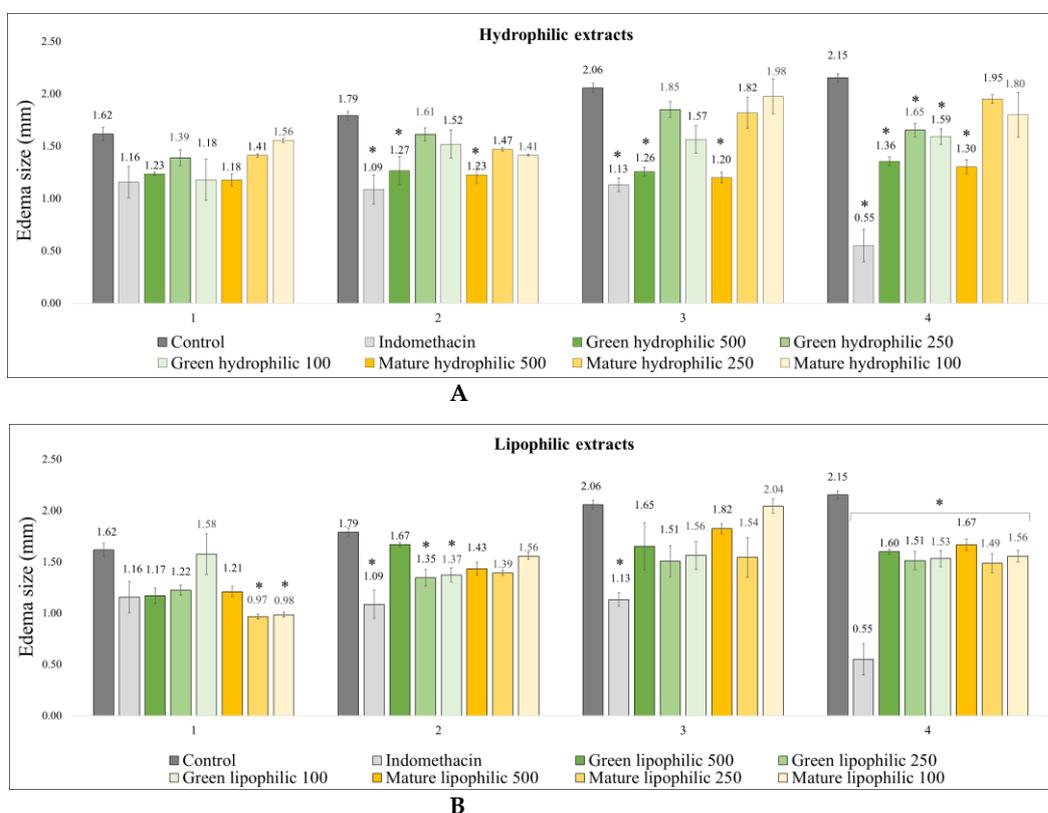
*Phytochemical Analysis*

Figure S1 shows that as the concentration of extract increases, the percentage of DPPH and ABTS•+ radical reduction also increases.



**Figure S1.** Percentage of radical reduction in DPPH and ABTS•+ at different concentrations of each type of extract.

*Anti-inflammatory effect on plantar edema*



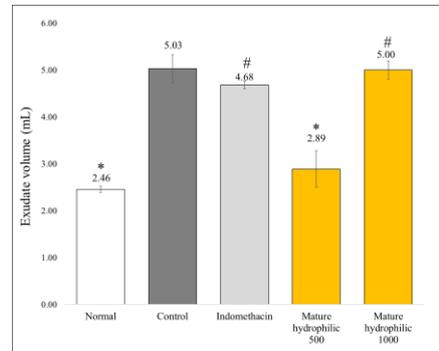
**Figure S2.** Effect of hydrophilic and lipophilic extracts on the size of the edema.

Data are presented as mean ± SEM (n = 6). The symbol (\*) indicates a significant difference (p < 0.05) compared to the control group determined by Tukey's post hoc test.

*Anti-inflammatory effect on carrageenan-induced air pouch*

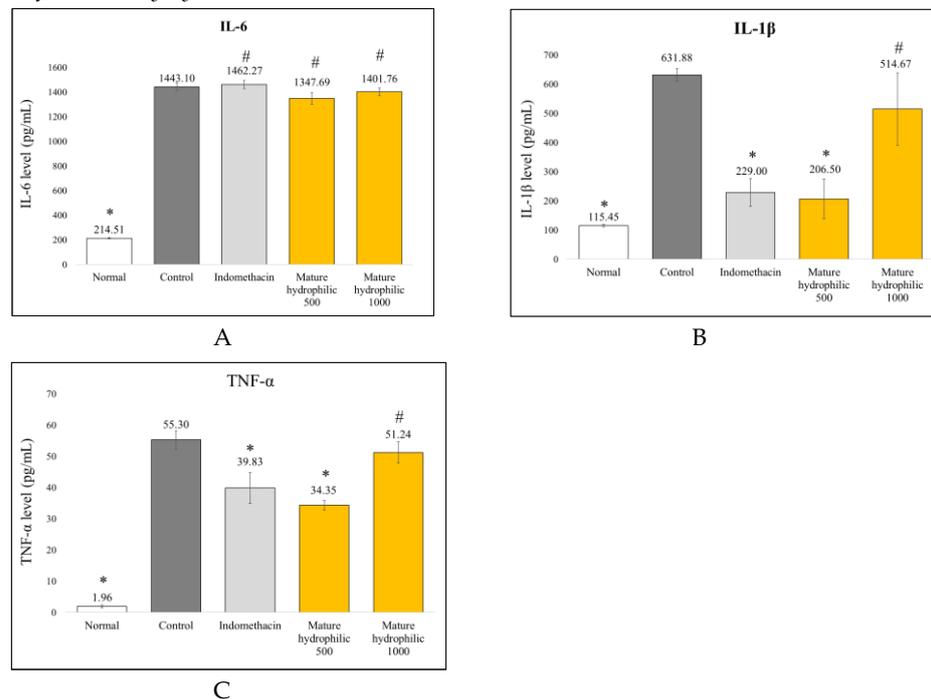
## Exudate Volume

Figure S3 shows that mature hydrophilic extract at 500 mg/kg significantly reduced exudate volume ( $p < 0.05$ ) compared to the control group and showed a similar effect to the blank group ( $p = 0.567$ ).



**Figure S3.** Exudate Volume

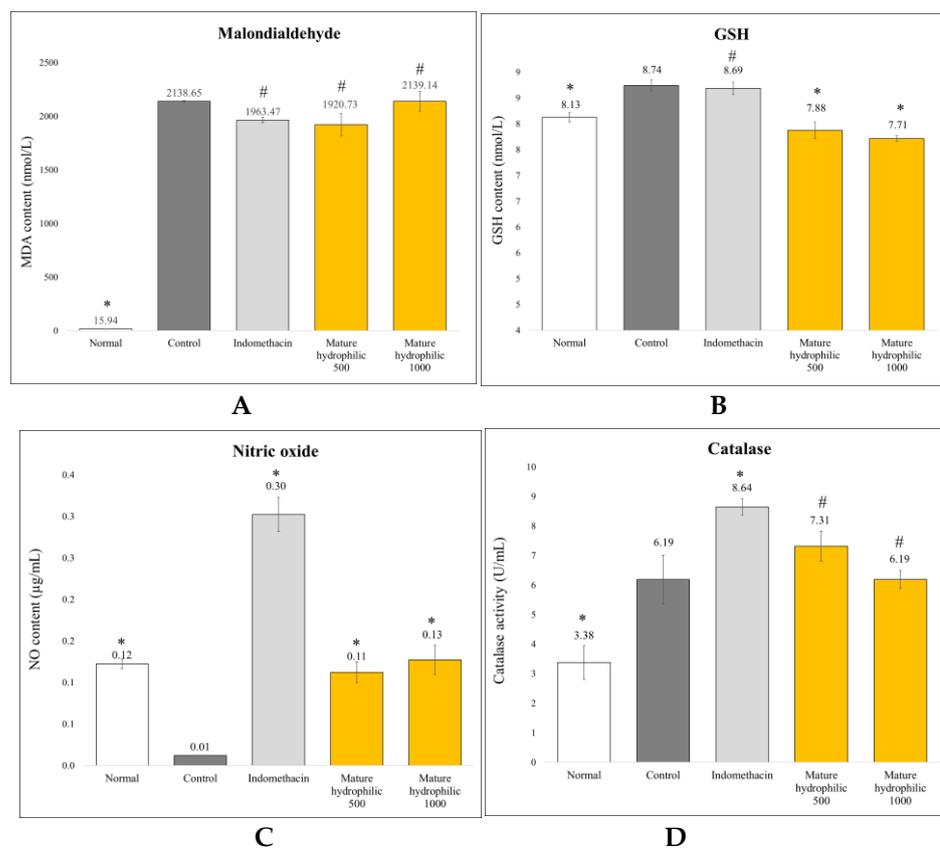
Data are presented as mean  $\pm$  SEM ( $n = 6$ ). Symbol (\*) indicates a significant difference ( $p < 0.05$ ) compared to the control group, while symbol (#) indicates that there are not significant difference ( $p > 0.05$ ) compared to the control group, determined by Tukey's post hoc test

*Inflammatory cytokines in exudate*

**Figure S4.** Inflammatory cytokines in exudate.

IL-6: Interleukin 6; IL-1β: Interleukin 1 beta; TNF-α: Tumor necrosis factor alpha.

Data are presented as mean  $\pm$  SEM ( $n = 6$ ). Symbol (\*) indicates a significant difference ( $p < 0.05$ ) compared to the control group, while symbol (#) indicates that there are not significant difference ( $p > 0.05$ ) compared to the control group, determined by Tukey's post hoc test.

*Oxidative stress in exudate***Figure S5.** Oxidative stress in exudate.

Data are presented as mean  $\pm$  SEM (n = 6). Symbol (\*) indicates a significant difference ( $p < 0.05$ ) compared to the control group, while symbol (#) indicates that there are not significant difference ( $p > 0.05$ ) compared to the control group, determined by Tukey's post hoc test.