differences between Meniran 100 and standard group. The statistical result showed that the standard group provided the most decrease in uric acid levels. Based on the descriptions it can be concluded that the ethanol extract of red meniran given to Meniran 50 and Meniran 75 group have anti-hyperuricemic effect. Given in a lower dose, the therapeutic effect of red meniran extract in Meniran 50 group did not differ significantly than in Meniran 75 group, thus the dose of 50 mg/kg BW of red meniran extract was selected as the effective dose in lowering blood uric acid levels of mice.

Based on the statistical results in Table 3.8, it was known that the uric acid levels lowering between the control and Meniran 50 group in the 60th minute was not significantly different; this could happen because ethanol extract of red meniran hadn’t shown any effect, so the uric acid levels in Meniran 50 group didn’t differ significantly than control group. In the 90th and 120th minute there was a significant difference between control group and Metirian 50 group, it showed that the ethanol extract of red meniran had given therapeutic effect. In the 150th and 180th minute there was not any significant difference between control group and Meniran 50 group, and that means the uric acid levels lowering in 150th minute was not because of the activity of red meniran extract, but the mice body metabolism activity to eliminate the uric acid.

CONCLUSION

Based on the study result, it can be concluded that ethanol extract of red meniran provides anti-hyperuricemic effect at a dose of 50 mg/kg BW and uric acid levels lowering occurs at minute of 90.

ACKNOWLEDGEMENTS

Research Activities and Community Service Institutions (LPPM), Kartini, Steffi and Fifi.

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