

V. CONCLUSIONS AND SUGGESTION

A. Conclusion

Based on the research results, it can be concluded that:

1. The leaf morphology of *E. sonchifolia* is variations. The leaf shape were deltoid, linear, sagittate, and a combination of linear and lobed. The leaf edges were undulate and sinuate. The leaf base were acute and auriculate. The length range was 7 – 7.5 cm and the width was 1.5 – 3.3 cm.
2. The different solvent polarity affect the secondary metabolites content in *E. sonchifolia* leaf extracts.
3. The most effective solvent used to extract *E. sonchifolia* leaves was 70% ethanol solvent, with the highest total content in flavonoids 177.78 mg QE/L and polyphenols 42.29 mg GAE/L. Alkaloids have the highest content in aquadest solvent with 128.72 mg QNE/L.

B. Suggestion

Based on the results of the study, suggestions that can be given are for further research to use 70% ethanol solvent to get maximum results, while for alkaloid compounds using aquadest solvent, and for further research can be purified and processed further so that they can carry out GC-MS tests to identify the types of compounds contained.