

V. CONCLUSION

5.1 Conclusion

The conclusions of this study include:

1. The application of kelor extract and 75% Ab Mix concentration had a significant effect on growth parameters including; increased in height, leaf area, fresh and dry weight in kale plant.
2. The results of biochemical content, given kelor extract doesn't had an effect on the chlorophyll content, but given kelor extract with 50% Ab Mix concentration showed higher amounts of water (9.34%) and crude fiber (9.70%) on proximate content, while the mineral nutrient content showed reduced heavy metal content on kelor extract application.
3. The application of kelor extract efficient to reduced inorganic fertilizers by as much as 25% on kale (*Brassica oleracea* L. var. *acephala*) cultivated under the hydroponic system.

5.2 Suggestion

Based on the research that has been done, suggested to further test the effect of given kelor extract in powder and liquid form, which will be a consideration the extract form appropriate with human activity and easy to used for the future.