

CONCLUSION

5.1 Conclusions

Based on this research, we can conclude that the application of both formulas had no significant results on the statistic level, but the liquid extract gave a higher tendency towards the improvement of the root system, fresh and dry weight, chlorophyll content, and 100 seeds weight of soybean plant. While the powder extracts shown the best result on the total seed weight.

5.2 Suggestion

The present research demonstrated the same effect of liquid and powder extract on improving the growth and yield of the soybean plants. Thus, it is suggested that future research and investigation about *Sargassum crassifolium* as biostimulant should lead to extract the seaweed by organic-based solvent to obtain more beneficial component such as plant growth regulator to improve the crop plants quality.

