

## V. CONCLUSION

### A. Conclusion

Based on the results and discussion, it can be concluded that:

1. German cockroaches are susceptible to the secondary metabolites of *B. bassiana*.
2. The application of *B. bassiana* secondary metabolite affect the mortality of German cockroaches with a concentration of 10% and a death time of 11.8 days with a mortality percentage of 7.19%. The LC<sub>50</sub> and LC<sub>90</sub> values of the secondary metabolites of *B. bassiana* were 10.053% and 15.204%, respectively.

### B. Suggestion

Further research needs to be done on the concentration of secondary metabolite that need to be increased with additional variables, namely looking at lethal time 50 (LT<sub>50</sub>), lethal time 90 (LT<sub>90</sub>), and biological mechanisms of insecticides against German cockroaches.

