

## 5.0 CONCLUSION

The rises in antimicrobial resistance possess a growing concern globally. Hence the discovery of novel antimicrobial drugs from medicinal plant as alternative valuable therapeutic agents is important. The result presented in this study revealed that the ethanolic extract of *T. crispa* has antibacterial effect on all the tests organisms whereas water extract failed to inhibit the growth of all the test organisms at the same used concentration. From acute oral toxicity study, ethanolic extract of *T. crispa* appears to have low toxic effects with an LD<sub>50</sub> value that exceeds 4g/kg, while the LD<sub>50</sub> of aqueous extract have to be less than the administered dose of 4g/kg. Indeed, more studies need to be done to identify the responsible antimicrobial compounds as well as to test for toxicity after prolonged consumption.