

CHAPTER IV

CONCLUSION

In this course of research, the root bark of *Harrisonia perforata* Merr., which is a plant in the family Simaroubaceae, was selected to investigate its chemical constituents. Five components isolated from diethyl ether crude by column chromatography were shown to be the mixture of saturated and unsaturated hydrocarbon compounds, a mixture of campesterol, stigmasterol and β -sitosterol, harrisonin, obacunone and a triterpenoid which cannot be identified due to the limited technique. All isolated substances from the root bark part of *Harrisonia perforata* Merr. are summarized as the following

- PA-1 : a mixture of saturated and unsaturated hydrocarbon compounds
- PA-2 : a mixture of steroid m.p., 130-132 °C
- PA-3 : white amorphous solid of harrisonin m.p., 153-154 °C
- PA-4 : white amorphous solid which was unidentified ,
m.p. 292-295 °C
- PA-5 : white amorphous solid of obacunone m.p., 222-223 °C