

CHAPTER V

CONCLUSION

The investigation of the heartwood of *Artocarpus lakoocha* Roxb. led to the isolation of five compounds. The identification of these five compounds was based on the data of various spectroscopic techniques. The mixture of steroids, AA-4 were proposed to be a mixture of β -sitosterol and stigmasterol. The compound BB-2 was a pyranoflavone. It was a group of flavone that had oxidative cyclization between hydroxyl and prenyl group to form pyran ring. From all data, they confirmed that BB-2 was cycloartocarpin. The BB-3.3 was identified as 2,4-dihydroxybenzaldehyde and CC-1 as 3,5,2',4'-tetrahydroxystilbene.

This work was one of the reports about phytochemical studies in *Artocarpus* spp. The presence of these chemical compounds confirms phytochemical and available information for further studies about chemical constituents of this genus.

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