

# CHAPTER 6

## OVERALL CONCLUSION AND RECOMMENDATION

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### 6.1 Overall Conclusion

*Baccaurea motleyana hook f.*, or rambai as it is locally known, contains two AHAs, DL-malic and L(+)-tartaric acids, in its fruit. The extraction of the fruits is simple and easy. The optimum of 20wt/wt% of the extract could be incorporated in the formulae to produce stable products. *In vitro* testing confirmed that the products with AHAs had skin exfoliating properties. Therefore, this fruit extract has a potential to replace imported AHA extracts.

### 6.2 Suggestion For Future Work

#### 6.2.1 *Baccaurea motleyana hook f.* Fruit's Extract

Skin exfoliation depends on the total acidity of the extract – the higher the total acidity, the less the extract needed in the formulation. Therefore, a study to produce a concentrated extract with high total acidity should be undertaken. The extract can be from the fruit skin or unripened fruit.

#### 6.2.2 Improvement of the Formulated Product

Most of the formulated products were moderately accepted by the assessors. A further study should be done to raise the level of acceptance.