

CHAPTER VI

CONCLUSION

The present investigation deals with the determination of chemical components and antimicrobial activity of essential oils isolated from selected Thai Lauraceous plant. Thai Lauraceous plants representing 2 genera (*Cinnamomum* and *Litsea*), have been investigated. Comparison among 3 *Litsea* species was made. Additionally, one species of western Lauraceous plants cultivated in Thailand were also studied. Its major constituents corresponded with previous report but the amounts were lower. In addition, it was found that certain essential oils showed antimicrobial activity against Gram-positive bacteria, Gram-negative bacteria and yeast. Although the antimicrobial properties of the essential oils in this study were much lower than those of currently used antibiotics, the present study indicates the possibility of using some essential oils as natural antimicrobial agents.