# **ESSENTIAL OIL COMPOSITION OF TRADITIONAL MEDICINAL IN NORTHERN THAILAND**

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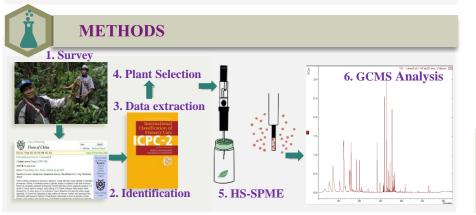
## BACKGROUND



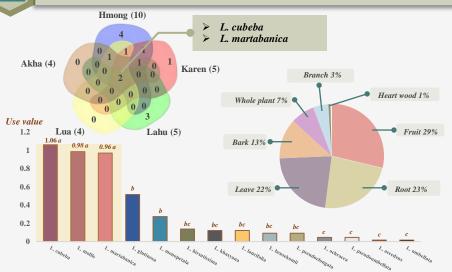
- Litsea species have been used globally in traditional medicine for the treatment of various diseases.
- L. cubeba (Lour.) Pers., for example, are one of the popular species used fruit and leave to treat inflammatory (Guo et al., 2015), anticancer, antioxidative (Ramos et al., 2012), insecticidal activities (Zeytinoglu, & Vural, 2010) and especially in asthma (S.-Y. Zhang et al., 2014).
- However, there have been few comparative chemical compounds in leaves between *Litsea* species.

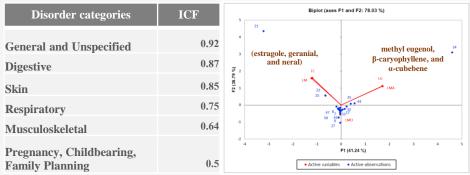
#### **OBJECTIVES**

- To explore the genus *Litsea* used as medicinal plants for ethnics group in northern Thailand
- To analyze the composition of volatile substances of medicinal *Litsea* spp.



### **RESULTS AND CONCLUSIONS**





#### CONCLUSION

- > There is only two plant species, namely *L. cubeba and L. martabanica*, used by all 5 ethnic groups.
- The most species were significant used as disorder categories are L. cubeba, L. mollis, L. martabanica, L. glutinosa, and L. monopetala
- > The major components of essential oils from the five types of *Litsea* spp. are estragole, eugenol, and methyl eugenol