

**Extraction of essential oil from *Vetiveria Zizanioides* (sawandara) plant and
Cinnamon iners plant**

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The air dried *Vetiveria zizanioides* roots and *Cinnamon iners* bark were subjected to extract the essential oil using hydro distillation and soxhlet extraction methods. Has sparked considerable interest due to its aromatic richness and potential applications in a variety industry. Compares the methods of Soxhlet extraction and steam distillation for extracting essential oils from *Vetiveria zizanioides* and *cinnamon iners* to determine the best extraction method for vetiver essential oils, the study will use meticulous sample collection and random sampling techniques. Chemical analysis, including GC-MS, was performed to identify and quantify constituents. Despite multiple trials, the results show varying yields from both methods. The study emphasizes the importance of further optimizing extraction processes to achieve higher efficiency and consistency in essential oil yield. The findings contribute to scientific discourse by providing insights into extraction methods and chemical composition of vetiver essential oils, laying the groundwork for future research to improve extraction techniques and increase their utilization in perfumery and related industries.

Key words: *Essential oil, Steam distillation, Hydro distillation*