



MASTER OF AGROECOTEHNOLOGY
FACULTY OF AGRICULTURE
UNIVERSITY OF BENGKULU

COURSE SYLLABUS

AGT-606: POST HARVEST PHYSIOLOGY AND TECHNOLOGY

Type of course : Elective

Credit unit : 2

Semester offered : 3

Course description

Discuss the major physiological processes occurred in the harvested organs in responding to both biotic and abiotic environmental conditions and their implications to handling processes.

Learning outcome

Knowledgeable of physiological requirements of the detached organs for developing the postharvest technology of agriculture products handling.

Course content

1. Postharvest physiology
2. Postharvest environment: effect and control
3. Postharvest diseases and approaches to their control
4. Postharvest technology for perishable crops

References

1. Kader, A. A. (2002). Postharvest technology of horticultural crops (Vol. 3311). University of California Agriculture and Natural Resources.
2. Paull, R. E., & Duarte, O. (2011). Postharvest technology. Tropical fruits, Volume 1, (Ed. 2), 101-122.
3. Prusky, D., & Gullino, M. L. (2010). Postharvest pathology (Vol. 2). New York, USA: Springer.
4. Siddiqui, M. W. (Ed.). (2015). Postharvest biology and technology of horticultural crops: principles and practices for quality maintenance. CRC Press.
5. Yahia, E. M. (Ed.). (2011). Postharvest biology and technology of tropical and subtropical fruits: fundamental issues. Elsevier.