

Module designation	Packaging and Display of Animal Products
Semester(s) in which the module is taught	Odd semester
Person responsible for the module	Dr. Ir. Endy Triyannanto, S.Pt., M.Eng., IPM., ASEAN Eng. Dr. Ir. Rio Olympias Sujarwanta, S.Pt., M.Sc., IPM. Ir. Edi Suryanto, M.Sc., Ph.D., IPU., ASEAN Eng.
Language	Bahasa and English
Relation to curriculum	Specialization's Elective
Teaching methods	Classical lecture and discussion
Workload (incl. contact hours, self-study hours)	Total workload: 79 hours Contact hours: - Lecture: 23 hours - Academic activity: 28 hours Private study: 28 hours
Credit points	2/0
Required and recommended prerequisites for joining the module	None
Module objectives/intended learning outcomes	Course Outcomes (CO): 1. Able to comprehend the packaging development and technology. 2. Able to understand the animal product packaging characteristics. 3. Able to comprehend the design and function of animal product packaging. Expected Learning Outcomes: - Mastery in Sciences: 1. Able to master the current animal science and its application theory. (CO1) - Special skills: 1. Able to make innovation in the animal husbandry based on the development of science and technology. (CO2) - General skills: 1. Able to develop logical, critical, systematic, and creative thought through scientific research, creation of design in the science and technology, which pays attention and applies humanity values according to their expertise. The graduates are able to arrange scientific concept and the study result based on the principles, procedures, and scientific ethics. (CO3)
Content	The course of packaging and display of animal product is elective course with 2 semester credit units. The material encompasses the development and packaging technology, design, packaging function and also animal product display technique.

Exams and assessment formats	Assessment Components		Course Outcomes (CO)		Percentage (%)	
	1. Midterm exam (written test, take home exam, paper assignment)		CO1, CO2, & CO3		20	
	2. Final exam (written test, take home exam, paper assignment)		CO1, CO2, & CO3		30	
	3. Discussion		CO1, CO2, & CO3		35	
	4. Take-home written assignments		CO1, CO2, & CO3		15	
	Grade and Score					
	Grade		Score		Grade	
	A		≥80		C+	
	A-		75-79,9		C	
	A/B		70-74,9		C-	
	B+		65-69,9		C/D	
	B		60-64,9		D+	
B-		55-59,9		D		
B/C		50-54,9		E		
Study and examination requirements	The final grade in the module is composed of 20% performance on Midterm exam, 30% final exam, 35% discussion, and 15% take-home written assignment. Students must have a final grade of 70% or higher to pass					
Reading list	<ul style="list-style-type: none"> - Coles R., D. McDowell, M. J. Kirwan. 2009. Food Packaging Technology. Wiley Blackwell. - Packaging and environmental sustainability. H.J. Emblem. Environmental Packaging Solutions, UK. - Jayanti, A.D. 2018. Strategi Membuat Jejaring Pemasaran dan Promosi Produk Pemasaran. Materi Pengabdian DB-TTG Tambakbulusan. Fakultas Pertanian Universitas Gadjah Mada. - Azzi, A., Battini, D and Sgarbossa. 2012. Packaging Design: General Framework and Research Agenda. Packaging Technology and Science. - Lovell M. Margareta, Jay D. McEvoy, Jr. 2017. Food Photography, Anxiety, and Desire. Journal of the Association of Historians of American Art. - Syarief, R., S.Santausa, St.Ismayana B. 1989. Teknologi Pengemasan Pangan. Laboratorium Rekayasa Proses Pangan, PAU Pangan dan Gizi, IPB. - Undang-Undang Republik Indonesia Nomor 7 Tahun 1996 tentang Pangan. - Peraturan Pemerintah Republik Indonesia Nomor 69 Tahun 1999 tentang Label dan Iklan Pangan. - Wegrzyn, T.F.; Golding, M.; Archer, R.H. Food Layered Manufacture: A new process for constructing solid foods. Trends Food Sci. Technol. 2012, 27, 66–72. 39. - Hung, H.C.; Sung, M.H. Applying six sigma to manufacturing processes in the food industry to reduce quality cost. Sci. Res. Essays 2011, 6, 580–591. 					

	<ul style="list-style-type: none">- Fleischhacker, S.; Johnson, D.; Quinn, E.; Jilcott Pitts, S.B.; Byker, C.; Sharkey, J.R. Advancing Rural Food Access Policy Research Priorities: Process and Potential of a Transdisciplinary Working Group. <i>J. Agric. Food Syst. Community Dev.</i> 2013, 3, 201–212.- Dobermann, A.; Nelson, R.; Beever, D.; Bergvinson, D.; Crowley, E.; Denning, G.; Giller, K.; d’Arros Hughes, J.; Jahn, M.; Lynam, J.; et al. Solutions for Sustainable Agriculture and Food Systems, Technical Report for the Post-2015 Development Agenda; Thematic Group on Sustainable Agriculture and Food Systems of the Sustainable Development Solutions Network, Food Systems Development (Center for Transformative Action): New York, NY, USA, 2013.- Howard, P.H. Increasing Community Participation with Self-Organizing Meeting Processes. <i>J. Rural Soc. Sci.</i> 2012, 27, 118–136. Fung, D.Y.C. Rapid Methods and Automation in Microbiology: Past, Present, and Future. In Proceedings of the Food Processing & Technology Conference, Las Vegas, NV, USA, 21–23 July 2014.
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