

## Module Handbook

<b>Module Name</b>	Standardization				
<b>Module Level</b>	Higher Diploma				
<b>Code, if applicable</b>	VKD108				
<b>The subtitle, if applicable</b>	-				
<b>Courses, if applicable</b>	-				
<b>Semester(s) in which the module is taught</b>	1 <sup>st</sup> semester				
<b>Person responsible for the module</b>	Thorikul Huda, M.Sc.				
<b>Lecturer</b>	Thorikul Huda, M.Sc. Tri Esti Purbaningtias, M.Si.				
<b>Language</b>	Bahasa Indonesia				
<b>Relation to curriculum</b>	Compulsory				
<b>Type of teaching, contact hours</b>	Lecture (face to face teaching, structured activities, independent study and exam): 11.3 hours x 16 weeks per semester				
<b>Workload</b>	Total workload	91 hours; 2CU			
		Face to face teaching	Structured activities	Independent study	Exam
	Hours	23	28	28	11
<b>Credit Points</b>	2 CU/3.4 ECTS				
<b>Requirements according to the examination regulations</b>	75% minimum requirements of attendance				
<b>Recommended prerequisites</b>	-				
<b>Module objectives/intended learning outcomes</b>	PLO 5: Able to contribute to solving the problem in their work Subject LO: a. Able to describe standard requirements b. Able to apply standard system				
<b>Content</b>	1. National standards and international standards 2. Accreditation and certification 3. Standardization of personnel 4. Standardization of test methods 5. Product standardization system 6. Halal guarantee system 7. Environmental management system standardization system				
<b>Study and examination requirements and forms of examination</b>	Midterm (35%), presentation (10%), final exam (35%), assignment (20%)				
<b>Media employed</b>	Google classroom, youtube, zoom meeting, google form, google doc				

**Reading list**

1. Undang-Undang Republik Indonesia Nomor 20 Tahun 2014 Tentang Standardisasi dan Penilaian Kesesuaian
2. Panduan Umum Sistem Jaminan Halal LPPOM –MUI, Lembaga Pengkajian Pangan Obat-Obatan dan Kosmetika Majelis Ulama Indonesia, 2008
3. Taylor, L.P. and Taylor, L., 2006. FISMA Certification and Accreditation Handbook. Syngress.
4. Abuhav I., 2017, ISO 9001:2015— A Complete Guide to Quality Management Systems, CRC Press
5. Gunzler, H. ed., 2012. Accreditation and quality assurance in analytical chemistry. Springer Science & Business Media.
6. Cheremisinoff, N.P., 2006. Environmental management systems handbook for refineries. Gulf Pub.
7. ISO 9001 : 2000 Quality Management System Design Artech House, Inc., 2003
8. ISO/IEC 17024:2012, Conformity assessment – General requirements for bodies operating certification of persons
9. ISO/IEC 17065: 2012 : Conformity assessment - Requirements for bodies certifying products, processes and services
10. ISO 14001:2015 Environmental Management Systems – Requirements. Guidance Document. DNV GL AS, NO-1322 Hovik, Norway
11. ISO/IEC 17024:2012, Conformity assessment -- General requirements for bodies operating certification of persons
12. Mortimore, S. and Wallace, C., 2001. Food industry briefing series: HACCP. Blackwell Science.
13. Brown, M. ed., 2000. HACCP in the meat industry. Elsevier.
14. Huber, L., 2015. Standardization in Measurement: Philosophical, Historical and Sociological Issues. Routledge.
15. Castrup, H.T., Eicke, W.G., Hayes, J.L., Mark, A., Martin, R.E. and Taylor, J.L., 1994. Metrology: Calibration and measurement processes guidelines. NASA STI/Recon Technical Report N, 95.