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Module designation	Additive and Addictive Substances
Module level, if applicable	Undergraduate
Code, if applicable	PIPAUM6605
Subtitle, if applicable	-
Courses, if applicable	-
Semester(s) in which the module is taught	Odd/Spring Term
Person responsible for the module	Muhammad Fajar Marsuki, S.Pd., M.Sc.
Lecturer	Muhammad Fajar Marsuki, S.Pd., M.Sc., Dr. Yahmin, M.Si.
Language	Bahasa Indonesia
Relation to curriculum	Undergraduate degree program, compulsory, 3 rd semester
Type of teaching, contact hours	Direct Instruction and Cooperative Learning for Lectures, 100 minutes for lectures
Workload	<ol style="list-style-type: none"> 1. Lectures: 2 x 50 = 100 minutes (1,67 hours) per week 2. Exercise and Assignments: 2 x 60 minutes = 120 minutes (2 hours) per week 3. Private Study: 2 x 60 minutes = 120 minutes (2 hours) per week
Credit points	2 credit points (~3.17 ECTS-eq)
Requirements according to the examination regulations	A student must have attended at least 80% of the lectures to sit in the exams.
Recommended prerequisites	Basic Biology II, Environmental Chemistry
Module objectives/intended learning outcomes	<p>After completing this module, students are expected to:</p> <p>LO4: analyze science phenomena in an integrated manner to solve problems logically, critically, systematically, and critically using information technology as data resources in the form of team work that respect the originality of other works.</p>
Content	<ol style="list-style-type: none"> 1. Types of addictive substances 2. Mechanism and effect of addictive substances on the body 3. Addictive substance abuse

	<ol style="list-style-type: none"> 4. Legal aspects of addictive substances 5. Prevention and handling of addictive substance abuse 6. Types of food additives 7. The function of food additives 8. Mechanism and effect of additives on the body 9. Additive abuse 10. Legal aspects of additives 11. Prevention and handling of additive substance abuse.
Study and examination requirements and forms of examination	Measuring student learning achievement by assessing presentations, class discussions, drafting papers, making campaign videos, midterm and final semester exams
Media employed	Whiteboard, Power Point, Platform Youtube, Moodle (SIPEJAR)
Reading list	<ol style="list-style-type: none"> 1. Coleman, M.D. 2005. Human Drug Metabolism. Inggris: John Wiley & Sons Ltd 2. Suryawati, S., Widhyharto, D.S., dan Koentjoro. 2015. UGM Mengajak: Raih Prestasi Tanpa Narkoba. Yogyakarta: UGM Press 3. Tim Ahli BNN. 2010a. Mahasiswa dan Bahaya Narkotika. Jakarta: BNN 4. Tim Ahli BNN. 2010b. Penyalahgunaan Narkoba dan Upaya Penanggulangannya. Jakarta: BNN 5. UU Republik Indonesia nomor 35 tahun 2009 tentang Narkotika 6. UU Republik Indonesia nomor 5 tahun 1997 tentang Psikotropika 7. Peraturan Pemerintah Republik Indonesia nomor 109 tahun 2012 tentang pengamanan bahan yang mengandung zat adiktif berupa produk tembakau bagi kesehatan 8. Peraturan Menteri Kesehatan Republik Indonesia nomor 722/MENKES/PER/IX/88 tentang bahan tambahan makanan
Date of last amendment made	May, 2020