MODUL HANDBOOK

Module Name	Practicum of Biochemistry
Module level	Bachelor
Abbreviation, if applicable	8420401246
Sub-heading, if applicable	-
Course included in the module, if applicable	-
Semester/term	6th/Third Year
Module coordinator(s)	Prof. Dr. Leny Yuanita, M..Kes
Lecturer(s)	Prof. Dr. Rudiana Agustini, M.Pd; Dr. Prima Retno Wikandari, M.Si; Dr. Nuniek Herdyastuti, M.Si; Mirwa A. Anggarani, M.Si
Language	Indonesian
Classification within the curriculum	Compulsory Course
Teaching format/class hours per week during the semester:	1 hours lecturers
Workload:	1 CU for bachelor degree equals to 3 workhours per week or 170 minutes (50' face to face learning, 60' structured learning, and 60' independent learning). In one semester, courses are conducted in 14 weeks (excluding mid and end-term exam). Thus, 1 CU equals to 39.67 workhours per semester. One CU equals to 1.59 ECTS.
Credit points:	1 CU = 1.59 ECTS
Prerequisites course(s):	-
Targeted learning outcomes:	CLO 2 Students can apply chemical pedagogical knowledge in designing, implementing, and evaluating learning CLO 3 Students mastering the principles of K3 (Occupational Safety and Security), managing laboratories and using their equipment and how to operate chemical instruments CLO 4 Students able to design, implement, evaluate, learn and develop chemistry learning media by utilizing Information and Communication Technology (ICT) CLO 5 Student can pplying logical, critical, systematic and innovative thinking in the context of developing or implementing science, technology, and arts that pays attention to and applies humanities values that are in accordance with the field of chemistry education in solving problems CLO 6 Students mastering the basics of the scientific method, designing and carrying out research, compiling scientific reports and communicating them both orally and in writing by utilizing information and communication technology CLO 7 Students able to make decisions based on data / information in order to complete the tasks that are their responsibility and evaluate the performance that has been done

	both individually and in groups, has an entrepreneurial spirit that is environmentally sound CLO 8 Students able to adapt to various developments in chemistry, continue to develop and learn throughout life to continue education, both formal and informal.
Content:	Providing skills on qualitative and quantitative analysis methods of glucose, amino acids, fats, vitamins, in a sample and testing factors that affect enzymes in their role in metabolic processes. This study is carried out through discussion, question and answer and practicum
Study / exam achievements:	Students are considered to be competent and pass if at least get 55 Final score is calculated as follows: 20% participation + 30% assignment + 20% middle exam (UTS) & 30% final exam (UAS) Table index of graduation • A = 4 (85 ≤-≥ 100) • A- = 3,75 (80 ≤-< 85) • B+ = 3,5 (75 ≤- < 80) • B = 3 (70 ≤-< 75) • B- = 2,75 (65 ≤-<75) • C+ = 2,5 (60 ≤-<65) • C = 2 (55 ≤-<60) • D = 1 (40 ≤-<55) • E = 0 (0 ≤-<40)
Media:	Computer, LCD, White board
Learning Methods	Individuals assignment, group assignment, discussion, presentation, and practicum
Literature:	1. Lehninger, 1988, *Dasar-dasar Biokimia*, jilid 1, Jakarta, Erlangga 2. Nelson D.L., and Cox M.M., 2003, *Lehninger Principle of Biochemistry*, 4th edition, University of Winconsin-Madison 3. Boyer R, 2000. *Modern Experimental Biochemistry*. San Francisco: Addison Wesley Longman 4. Penuntun Praktikum Biokimia, 2010, Tim Pengajar Biokimia, Penerbit Unipress Unesa