<table>
<tr><td>Module designation</td><td>Laboratory Work in Soil Biology</td></tr>
<tr><td>Semester(s) in which the module is taught</td><td>Odd/5th</td></tr>
<tr><td>Person responsible for the module</td><td>Dr. Ir. Suhartini, MS. and Dr. Tatag Bagus Putra Prakarsa, M.Sc.</td></tr>
<tr><td>Language</td><td>Bahasa Indonesia</td></tr>
<tr><td>Relation to curriculum</td><td>Elective</td></tr>
<tr><td>Teaching methods</td><td>Lab works, project, seminar, exam</td></tr>
<tr><td>Workload (incl. contact hours, self-study hours)</td><td>Total workload is 46 hours per semester which consists of 170 minutes of individual study per week for 16 weeks.</td></tr>
<tr><td>Credit points</td><td>1 SKS (1.6 ECTS)</td></tr>
<tr><td>Required and recommended prerequisites for joining the module</td><td>-</td></tr>
<tr><td>Module objectives/intended learning outcomes</td><td>PLO-2
PLO-5
PLO-6
PLO-8
PLO-9</td></tr>
<tr><td>Content</td><td>This course discusses physical properties and chemistry ofsoil, biological nature of soil and important soil microorganism, and soil and water conservation.</td></tr>
<tr><td>Examination forms</td><td>Final semester exam, team based project.</td></tr>
<tr><td>Study and examination requirements</td><td>The final mark will be weight as follow:
<table>
<tr><th>NO</th><th>Assessment Techniques</th><th>Percentage Weight Assessment (%)</th><th>Information</th></tr>
<tr><td>1</td><td>Kognitif</td><td>35</td><td>Maximum assessment weight accumulation 35%</td></tr>
<tr><td></td><td>Final Semester Exam</td><td>35</td><td></td></tr>
<tr><td>2</td><td>Participatory</td><td>65</td><td>Maximum assessment weight accumulation 65%</td></tr>
<tr><td></td><td>Team Based Project</td><td>65</td><td></td></tr>
<tr><td></td><td>Total</td><td>100</td><td></td></tr>
</table></td></tr>
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Reading list	A. Brata, K.R. dan Nelistya, A., 2008. Lubang Biopori, Penebar Swadaya, Jakarta. B. Wilson, C.R. dan J.R. Feucht , 2010. Composting Yard Waste. Colorado State University Extension. Leaves and Leaf Anatomy. http://www.enchantedlearning.com/subjects/plants/leaf C. Yulipriyanto. 2009. Ilmu Pengomposan. Yogyakarta : Biologi FMIPA Universitas Negeri Yogyakarta. D. Yulipriyanto, H., 2010. Biologi Tanah dan Strategi Pengelolaannya. Yogyakarta: Graha Ilmu. E. Barbieri, E. 2013. Ectcomicorrhizal Mushrooms, Soil Biology 34, DOI10.1007/978-3-642-33823-6_8. Springer-Verlag Berlin Heidelberg. F. Moreira, Fatima M. S., Huising, E. Jeroen. 2012. A Handbook of Tropical Soil Biology: Sampling and Characterization of Below-ground Biodiversity. Taylor and Francis.