

Module Name	Seed Resource Management
Module Level, if applicable	Advance
Code if Applicable	0420206007
Subtitle, if applicable	-
Courses, if applicable	0420206007 (Seed Resource Management)
Semester(s) in which the module is taught	6 (CoE) Seed Industry
Person responsible for the module	Dr. Ir. Agus Zainudin, MP.
Lecturer	Dr. Ir. Agus Zainudin, MP. and partners from seed industry
Language	Indonesian
Relation to curriculum	Compulsory Courses for undergraduate program in Department of Agrotechnology, Faculty of Agriculture and Animal Science.
Type of teaching, contact hours	Lecture, Project, Presentation, Independent learning, Lab work, Fieldtrip, Examination
Workload	<ol style="list-style-type: none"> 1. Lecture: 2 sks × 50 minutes × 16 weeks 2. Project: 2 sks × 60 minutes × 16 weeks 3. Independent Learning: 1 sks × 60 minutes × 4 weeks 4. Lab Work: 1 sks × 170 minutes × 6 weeks 5. Fieldtrip: 1 sks x 170 minutes x 6 weeks 6. Examination 2 hours x 60 minutes x 2 time
Credit points	SKS 3 SCH x (1.5) = 4.5 ECTS
Requirements according to the examination regulations	<ol style="list-style-type: none"> 1. Registered in this course 2. Minimum 80% attendance in this course
Recommended prerequisites	No prerequisites
Module Objectives (Intended learning outcomes)	Students are able to understand strategies for obtaining and managing genetic resources of prospective parent seeds, plant genetic resources management, collection, and maintenance of various classes of seeds
Module Content	This course facilitates students to learn more about the strategies for obtaining, managing, and maintaining genetic resources of potential parents and collections of various classes of seeds to facilitate the process of developing new superior varieties
Study and examination requirements and forms of examination	<p>Cognitive: Midterm exam, Final exam, Quizzes, Assignments</p> <p>Affective: Assessed from the element /variables achievement, namely (a) Contributions (attendance, active, role, initiative, and language), (b) Being on time, (c) Effort.</p>

Media employed	Classical teaching tools with whiteboard, power point presentation, object/materials in industry and farmers
Recommended Literature	<p>For Class</p> <p>A. Compulsory</p> <ol style="list-style-type: none"> 1. Module from partners (seed industry) 2. PP Nomor 26 Tahun_2021 tentang Penyelenggaraan Bidang Pertanian Peraturan Menteri Pertanian Nomor 23 tahun 2021 tentang Pembenihan Hortikultura Nomor 12/Permentan/Tp.020/4/2018 Tentang Produksi, Sertifikasi, dan Peredaran Benih Tanaman. 3. Samuel Leunufna. 2007. Kriopreservasi untuk konservasi plasma nutfah tanaman. Jurnal AgroBiogen 3(2):80-88. 4. fieldfoundationindonesia. 2013. Penganekaragaman Sumberdaya Genetik secara Partisipatif. https://field-indonesia.or.id/field-program/participatory-diversification-of-genetic-resources. 5. Isna Fatimah. 2015. Aspek Hukum Pemanfaatan Sumber Daya Genetik. Jurnal Hukum Lingkungan Indonesia. https://doi.org/10.38011/jhli.v2i2.28. 6. Budi Setiadi Daryono dan Sigit Dwi Maryanto. 2017. Keanekaragaman dan Potensi Sumber Daya Genetik Melon. Gadjah Mada University Press. 7. Anih Sri Suryani, Sri Nurhayati Qodriyatun, Teddy Prasetiawan, Masyithah Aulia Adhiem, Denico Doly. 2021. Pelestarian dan Pemanfaatan Sumber Daya Genetik. https://doi.org/10.55216/publica.63. 8. Nurul Hidayatun, Muhamad Sabran, Sutoro Hakim, Kurniawan Hakim. 2018. Pengelolaan Sumber Daya Genetik Tanaman Pertanian untuk Mendukung Pengembangan Varietas Unggul. In book: Bunga Rampai: Pemanfaatan SDG dan Bioteknologi untuk Mendukung Pertanian Berkelanjutan Edition: First Edition Publisher: IAARD Press.

	B. Option 1. Various related journals (most recent 10 years). 2. Various related textbooks.
Date of Last Amendment	23 rd August 2022