



Subject Module
 Department of Agrotechnology
 Faculty of Agriculture
 University of Islam Malang

Module Handbook

Module Title	Plantation and Industrial Crop Cultivation Technology
Module Level	Undergraduate Study Program of Agrotechnology
Course Code	MKB 40528
Headings	-
Course (MK)	Plantation and Industrial Crop Cultivation Technology
Semester	V
Course Coordinator	Dr.Ir. Sugiarto, MP.
Teaching Team	Ir. Maria Ulfah. MP.
Language of Instruction	Indonesian language/English
Linkages with the Curriculum	Study Program: Agrotechnology Specialization: Agrotechnology Type: Compulsory/elective
Learning Methods and Duration	1. Lecture:100 minutes/meeting (14 meetings) 2. Practicum170 minutes/meeting (14 meetings) 3. Structured Assignments/individual and group Assignments presentation
Student Study Load	1. Lecture: 100 minutes/meeting (14meetings) 2. Practicum: 170minutes/meeting (14meetings) 3. Structured: Assignments/quiz/group presentation 4. Attendance: 75% of total attendance
Credit Weight	3 credits or 5.1 ECTS
Requirements for Passing the Course	<ul style="list-style-type: none"> • Attendance > 75% • The final score of all the components of the learning evaluation > 44 The final score component: <ul style="list-style-type: none"> • 20% Midterm Exam • 20% Final Exam • 30% Practicum • 20% Structured Assignments (individual and group) • 10% Presence
Prerequisite Courses	-
Learning Out comes	The expected learning out comes are: <ol style="list-style-type: none"> 1. Have good and deep knowledge in the field of basic agricultural science that supports Agrotechnology (ILO 3) 2. Able to solve problems that arise in the field of agrotechnology and related fields of science), (ILO 5) 3. Able to use tools, methods, and processes to solve various field problems in agriculture (ILO 6) 4. Able to manage plant production system) ILO 9 (Able to manage plant production system (ILO 9) 5. Able to design enterprise opportunities in the field of plant production (ILO 10)
Learning Content	After completing this course students are able to: <ol style="list-style-type: none"> 1. study the science of plantation n industrial crop cultivation 2. carry out cultivation and post-harvest handling of plantation and industrial crops

	<p>3. assess the success rate of plantation and industrial crop cultivation with the applicable standard method</p> <p>The topics include:</p> <ol style="list-style-type: none"> 1. Introduction; Definition of Plantation Plants and industry in the perspective of Agriculture, Definition of P lantation and Industrial Cultivation, and Prospect of Plantation and Industrial Plants 2. Vanilla cultivation 3. Sugarcane cultivation 4. Cotton cultivation 5. Tea plant cultivation 6. Tobacco cultivation 7. Pepper cultivation 8. Coffee cultivation 9. Cocoa cultivation 10. Clove cultivation 11. Cinnamon cultivation 12. Rubber plant cultivation 13. Cocanut cultivation 14. Oil palm cultivation
Test Terms and Forms	<p>Examination requirements: A minimum of 75 % attendance to attend the final exam</p> <p>Forms of examination:</p> <p>Essay</p>
Learning Media	<p>Projector and screen, Zoom application, LMS of UNISMA (Daring UNISMA), e-book, Whatsapp Group</p>
References	<p>Main References :</p> <ol style="list-style-type: none"> 1. Teguh Kopi sejarah, botani, proses produksi, pengolahan Produk hilir dan Sistem Kemitraan. Pusat Pebelitian kopi dan kakao. Gajah Mada University Press 2. Teguh wahyudi, Pujiyanto dan Misnawi, Kakao sejarah, botani, proses produksi, pengolahan dan perdagangan. Pusat Pebelitian kopi dan kakao. Gajah Mada University Press 3. Putranto Adi SKaya dengan Beratni Kelapa Sawit 4. Chandra Indrawanto – Purwono – Siswanto – M. Syakir – Widi Rumini, MS, 2010. Budidaya dan Pasca Panen TEBU. Pusat Penelitian dan Pengembangan Perkebunan Hak Cipta dilindungi Undang-undang. ESKA Medi. Sumur Batu, Jakarta 5. Andriani Kartikawati dan Rosihan Rosman, 2018. Budidaya Vanili. Kementerian Pertanianian. Badan Penelitian dan Pengembangan Pertanian Pusat Penelitian dan Pengembangan Perkebunan. Balai Tanaman Rempah dan Obat. Penerbit Balai Penelitian Tanaman Rempah dan Obat. Pusat Penelitian dan Pengembangan Perkebunan. Cimangu. Bogor 6. Elvira Sari Dew, 2014.. ASPEK AGRONOMI TANAMAN KAPAS BUDIDAYA DAN PENGEMBANGAN. Dapur Buku. Jakarta Timur. 7. Anonim, 2013. Budidaya Tanaman Kelapa. Dinas Perkebunan Jawa Timur. 8. Anonim, 2008. Teknologi Budidaya Tanaman Karet. Seri Buku Inovasi BUN. Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian. Badan Penelitian dan Pengembangan Pertanian. 9. Anonim, 2014. Bunga Rampai Fakta Tembakau dan Permasalahan di Indonesia. Kementerian Kesehataan Republik Indonesia. Tobacco Control and Support Center – IAKMI. Jakarta Pusat. 10. Dyah Manohara, Wahyuno dan Amrizal Rivai, m2013. Teknologi Unggulan Lada. Budidaya dan Teknologi Pendukung Varietas Unggul. Pusat Penelitian dan Pengembangan Perkebunan. Bogor. 11. Agus Rumayat, Dyah Manohara, Nurliani Bermawi, 2007. Teknologi

	<p>Unggulan Budidaya Cengkeh dan Teknologi Pendukung Varietas Unggul. Pusat Penelitian dan Pengembangan Perkebunan. Bogor.</p> <p>12. Dedi Soleh Effendi, M. Syakir, M. Yusron, Wiratno, 2010. Budiaya dan Pasca panen Teh. Pusat Penelitian dan Pengembangan Perkebunan. Bogor.</p>
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Supporting References :

1. Agronomy Journal