Course Module

Timber Legality and Verification Systems

Faculty of Forestry

Mulawarman University

Module name	Timber Legality and Verification Systems
Modul level, if applicable	Graduates Programme
Code, if applicable	220401802P039
Subtitle, if applicable	
Courses, if applicable	Regular
Semester(s) in wich the module is taught	II (two)
Person resposible for the module	Dr. Wiwin Suwinarti, S. Hut., M. P.
Lecturer	Dr. Wiwin Suwinarti, S. Hut., M. P. Dr. Heru Herlambang, S.Hut., M.P. Kiswanto, S.Hut., M.P., Ph.D.
Language	Indonesia
Relation to curriculum	Programme, mandatory
Type of teaching, contact hours	Lecture, 3 lecture contact hours
Workload	Number of meetings per semester: 16 meetings (14 meetings for learning activity, 1 meeting for mid semester, 1 meeting for final examination) 2 x 50 minutes lectures, 2 x 60 minutes structured assignment, 2 x 60 minutes individual activity, with a total time of 4760 minutes or equivalent to a total of 79.3 hours in 14 weeks per semester
Credit points	2 SKS (3.2 ECTS) Details: 1 Credit = 170 min/week 1 Credit = 170 min x 14 week = 2,380 min/semester 1 ECTS = 25 h / semester 1 Credit = 2,380 / 60 / 25 = 1.6 ECTS 2 Credit = 1.6 x 2 = 3.2 ECTS
Requirements according to the examination regulations	Have attended not less than 80% class meetings
Recommended prerequisites	
Module objectives/intended learning outcomes	**Intended Learning Outcomes** **Knowledge and Understanding** **ILO-1 :** Applying scientific ethics, norms, and values of professionalism

	Investigation **ILO-3 :** Able to analyze current problems and issues, and assess the ecological, social, and economic impacts of implementing programs in the forestry and tropical environmental sectors. **Engineering Design and Practice** **ILO-4 :** Develop research schemes based on inter or multidisciplinary approaches to tropical forestry and the environment, and communicate the results to the public. **Social Competences** **ILO-5 :** Lead, work in a team, and be responsible for achieving group work results. **Course Learning Outcomes** **Knowledge and Understanding** **CLO-1 :** Students are able to explain the concepts, principles, and regulations of forestry policies in Indonesia and analyze the relationship between these policies and ecological, social, and economic aspects in sustainable forest management. **Investigation** **CLO-2 :** Students are able to evaluate the effectiveness of existing forestry policies and develop policy recommendations that are innovative, data-based, and oriented towards sustainability and community welfare.
Content	The Timber Legality Verification System course discusses the concept, regulation, and implementation of the timber legality verification system (SVLK) as the main instrument in ensuring the legality of timber forest products in Indonesia and the world. This course provides an in-depth understanding of national and international policies related to timber legality, certification mechanisms, and verification techniques in the supply chain. Students will learn methods of collecting and analyzing timber legality documents, utilizing technology in the verification process, and the role of various stakeholders in supporting the sustainability of the forestry industry. In addition, this course also discusses the challenges and issues faced in the implementation of timber legality verification and case studies from various countries. Through this course, students are expected to be able to master the skills in analyzing, evaluating, and developing solutions to improve the effectiveness of the timber legality verification system to support sustainable forest management and responsible timber trade. After attending this course, students have the ability to: 1. Understand the basic concepts of timber legality verification. Students know the history and purpose of the timber verification system. **(CLO- 1)**

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2. Able to explain policies and regulations governing timber legality in Indonesia and the world. (CLO-1)
3. Able to identify the components of the timber legality verification system in Indonesia. (CLO-2)
4. Able to explain the mechanism of timber certification and the role of SKSHH in timber legality verification. (CLO-1)
5. Able to explain the stages in the timber legality verification process from upstream to downstream. (CLO-1)
6. Able to explain various methods and techniques of data collection for timber legality verification. (CLO-1)
7. Able to analyze timber legality documents and understand the importance of their accuracy. (CLO-2)
8. Able to understand and explain the timber verification process in each stage of the supply chain. (CLO-1)
9. Able to explain the use of technology in supporting the timber legality verification process. (CLO-1)
10. Able to explain how timber legality verification can support environmental sustainability. (CLO-1)
11. Able to identify the roles of various parties (government, community, industry) in the timber verification system. (CLO-2)
12. Able to explain the challenges faced in implementing the timber verification system. (CLO-1)
13. Able to analyze and compare timber verification systems in various countries. (CLO-2)
14. Able to integrate all learned materials and discuss solutions to improve the timber legality verification system. (CLO-2)
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<tr><td>Study and examination requirements and forms of examination</td><td>
Evaluation and assessment of the learning process are following scheme 5 in the Academic Regulations of Mulawarman University:
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<tr><th>No.</th><th>Objects of Assessment</th><th>Forms of Assessment</th><th>Quantity (%)</th></tr>
<tr><td>1</td><td>Affective</td><td>Participation</td><td>10</td></tr>
<tr><td>2</td><td>Assignment/Case study</td><td>Group presentation</td><td>25</td></tr>
<tr><td>3</td><td>Project</td><td>Presentation</td><td>25</td></tr>
<tr><td>4</td><td>Mid-semester test</td><td>Written test</td><td>15</td></tr>
<tr><td>5</td><td>Final semester test</td><td>Written test</td><td>25</td></tr>
<tr><td colspan="3">TOTAL</td><td>100</td></tr>
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<tr><td>Media employed</td><td>Laptop, LCD</td></tr>
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Reading list	1. Putri, R. A., & Nugroho, P. (2023). *Sistem Verifikasi Legalitas Kayu dan Implikasinya terhadap Perdagangan Kayu di Indonesia*. Jurnal Kehutanan Berkelanjutan, 18(2), 55-67. 2. Kementerian Lingkungan Hidup dan Kehutanan (KLHK). (2023). *Peraturan Menteri LHK No. 8 Tahun 2023 tentang Penguatan Sistem Verifikasi Legalitas Kayu*. KLHK, Jakarta. 3. Wibowo, T., & Siregar, D. R. (2024). *Implementasi dan Evaluasi Sistem Verifikasi Legalitas Kayu di Indonesia: Studi Kasus di Kalimantan Timur*. Jurnal Manajemen Hutan Tropika, 29(1), 10-24. 4. Prasetyo, H., & Lestari, M. (2023). *Analisis Proses Sertifikasi Kayu dan Peran SKSHH dalam Pengelolaan Hutan Lestari*. Indonesian Journal of Forestry Policy, 14(1), 32-45. 5. Suryanto, A., & Wijaya, B. (2022). *Prosedur Verifikasi Legalitas Kayu: Studi Komparatif antara Indonesia dan Uni Eropa*. Jurnal Ekologi dan Kehutanan, 7(3), 120-135. 6. Hartono, T., & Susilo, R. (2023). *Metodologi Pengumpulan Data dalam Sistem Verifikasi Legalitas Kayu: Tantangan dan Solusi*. Jurnal Teknologi Kehutanan, 21(2), 48-60. 7. Wahyuni, S., & Firdaus, R. (2023). *Validasi Dokumen Legalitas dalam Sistem Verifikasi Kayu: Studi di Perusahaan Kayu Bersertifikat*. Indonesian Journal of Forestry Business, 9(4), 75-89. 8. Setiawan, B., & Rahmawati, T. (2024). *Peran Verifikasi Legalitas dalam Rantai Pasokan Kayu: Studi Kasus pada Industri Kayu di Jawa Tengah*. Jurnal Manajemen dan Kebijakan Hutan, 16(1), 99-112. 9. Yulianto, D., & Nugroho, S. (2023). *Pemanfaatan Teknologi Digital dalam Verifikasi Legalitas Kayu: Blockchain dan GIS sebagai Solusi Transparansi*. Jurnal Teknologi Kehutanan dan Lingkungan, 11(3), 55-70. 10. Hasan, A., & Ramadhan, T. (2022). *Dampak Implementasi SVLK terhadap Keberlanjutan Ekosistem Hutan Indonesia*. Journal of Environmental Forestry, 12(2), 33-50. 11. Rahayu, M., & Putra, Y. (2023). *Peran Multi-Stakeholder dalam Meningkatkan Efektivitas Sistem Verifikasi Legalitas Kayu di Indonesia*. Jurnal Sosial Ekonomi Kehutanan, 19(1), 60-78. 12. Susanto, H., & Wardana, R. (2024). *Tantangan dan Hambatan dalam Implementasi Sistem Verifikasi Legalitas Kayu di Indonesia: Perspektif Regulator dan Pelaku Usaha*. Jurnal Pembangunan Kehutanan, 15(2), 87-103. 13. Liu, X., & Haryanto, P. (2023). *A Comparative Study of Timber Legality Verification Systems in Indonesia, the EU, and the US*. International Journal of Forestry Policy, 5(3), 112-129. 14. Santoso, W., & Amalia, R. (2024). *Evaluasi Efektivitas dan Masa Depan Sistem Verifikasi Legalitas Kayu di Indonesia*. Jurnal Penelitian Hutan dan Konservasi Alam, 30(1), 15-28.