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|--------------------------------|--|-------------------------------------|
| Course Code                    | TKIT165102   |                                     |
| Course Name                    | IT Audit and Risk Manajement   |                                     |
| Course Instructors             | Dani Adhipta ; Sujoko Sumaryono  |                                     |
| Course Type                    | Elective   |                                     |
| Course Classification          | Engineering Topics   |                                     |
| Credit / Contact Hour per Week | 3 / 150 minutes per Week   |                                     |
| Course Description             | Learning the IT Audit, the Concept of Information Risk Management and the Business Continuity Plan, Identify the criticality of the Assetification of Threat and Vulnerability of the risk, Control analysis, Possible risk / Risk of occurrence criteria, Criteria Measurement of impact level, Determination of basic risk value, Risk Control, Making Risk Treatment Plan, Risk Monitoring, Disaster Recovery Plan                                  |                                     |
| Prerequisites Courses          | -  |                                     |
| <b>Covered Student Outcome</b> | <b>Fundamental Engineering Knowledge (a)</b><br><b>Development of Engineering Solution (b)</b><br><b>Knowledge of Contemporary Issues (f)</b><br><b>Engineering Awareness and Society (j)</b>  |                                     |
| Learning Outcome               |  |                                     |
|                                |  | Study Program Student Outcome       |
| No                             | Learning Outcome   | SO (a) – SO (k)                     |
| 1.                             | Students are able to perform IT audits, set a plan, conduct assessments, gap analysis (gap analisis), make plans / recommendations.  | Development of Engineering Solution |
| 2.                             | Students able to identify critical assets, identify threats, analyze risk impacts,   | Fundamental Engineering Knowledge   |
| 3.                             | Students are able to create a treatment plan   | Knowledge & Contemporary Issues     |
| 4.                             | Students are able to Create a Disaster Recovery Plan   | Engineering Awareness and Society   |
| Topic                          | <ol style="list-style-type: none"> <li>IT Audit, Information Management Concept Risk and Business Continuity Plan, Identify the criticality of the Assetification of Threat and Vulnerability of risk,</li> <li>Control analysis, Criteria of Possibility / Risk of occurrence of risk, Criteria Measurement of impact level, Determination of basic risk value, Risk Control, Risk Treatment Plan, Risk Monitoring, Disaster Recovery Plan</li> </ol> |                                     |
| Direct Asessment               | <b>Direct Asessment Plan</b>   | <b>Measured Learning Outcome</b>    |
|                                | Quiz   | LO1                                 |
|                                | Homework   | LO2                                 |
|                                | Mid Exam   | LO3                                 |
|                                | Final Exam   | LO4                                 |
| Indirect Assesment             | Questionnaire (EDOM)   |                                     |
| References                     | [1] ISO/IEC 27000, 27001,2702  |                                     |