Course Name       Software Quality         Course Instructors       Lukito Edi Nugroho ; Warsun Najib         Course Otassification       Engineering Topics         Credit / Contact Hour per Week       3 / 150 minutes per Week         Course Description       As a product, software (software) has a distinctive feature that distinguishes it from other products. This causes the software development is also run with a different approach than the manufacture of other physical products. This course discusses the characteristics of software and its development related to the quality aspect, and from those two things the concept of quality, its implementation, its measurement, and its testing are discussed.         Lectures are organized in the form of a combination of face-to-face and project activities (group assignments). Face-to-face lectures serve to provide the substance of the study, the student project becomes a means for students to apply the concepts he / she learns. Assessment is done on both of these components.         Prerequisites Courses       Software Architecture         Covered Student Outcome       Development of Engineering Solution (b) Modern Tools Utilization (e)         Modern Tools Utilization (e)       Student Outcome         No       Learning Outcome       Study Program Student Outcome         No       Learning Outcome       Study Program Student Outcome         No       Learning Outcome       Study Program Student Outcome         2       Students are able to explain about the
Course Instructors       Lukito Edi Nugroho ; Warsun Najib         Course Type       Selected Elective         Course Classification       Engineering Topics         Course Description       As a product, software (software) has a distinctive feature that distinguishes it from other products. This causes the software to have certain criteria in defining its quality, and software development is also run with a different approach than the manufacture of other physical products. This course discusses the characteristics of software and its development related to the quality aspect, and from those two things the concept of quality, its implementation, its measurement, and its testing are discussed. Lectures are organized in the form of a combination of face-to-face and project activities (group assignments). Face-to-face lectures serve to provide the substance of the study, the student project becomes a means for students to apply the components.         Prerequisites Courses       Software Architecture         Covered Student Outcome       Development of Engineering Solution (b) Modern Tools Utilization (e) Knowledge of Contemporary Issues (f) Engineering Awareness and Society (j)         Learning Outcome       Students are able to explain about the importance of quality issues         2.       Students are able to explain the components of software insolve and society (j)         1.       Students are able to explain the components of software insolve and society (j)         2.       Students are able to explain the components of software insolve and software quality level         3.       Student
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Image: server of the manufacture of other physical products. This course discusses the characteristics of software and its development related to the quality aspect, and from those two things the concept of quality, its implementation, its measurement, and its testing are discussed. Lectures are organized in the form of a combination of face-to-face and project activities (group assignments). Face-to-face lectures serve to provide the substance of the study, the student project becomes a means for students to apply the concepts he / she learns. Assessment is done on both of these components.       Prerequisites Courses     Software Architecture       Covered Student Outcome     Development of Engineering Solution (b) Modern Tools Utilization (e) Knowledge of Contemporary Issues (f) Engineering Awareness and Society (j)       Learning Outcome     Study Program Student Outcome       No     Learning Outcome     Study Program Student Outcome       2.     Students are able to explain about the importance of quality is uses     Issues       2.     Students are able to explain the relevance between software Engineering Awareness and Society       3.     Students are able to explain the components of software guality assurance system     Society       3.     Students are able to explain the components of software and software quality level     Society       3.     Students are able to explain the components of software insues     Issues       4.     Students are able to explain the components of software insuport of Engineering Awareness and Solution </td
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5 Students able to conduct audit and evaluation of information Engineering Awareness and
Society
system security based on ISO 2700X family Society
6 Students are able to perform a simple analysis of the quality Modern Tools Utilization
of a simple software product
Topic1. Challenges in the development of quality software.
2. Software quality factors.
3. Pre-project components.
4. Infrastructure components.
5. Management of OT quality components.
7. Student project
7. Student project
Direct Asessment
Direct Asessment Plan Measured Learning Outcome
Direct Asessment       Measured Learning Outcome         Project       LO6, LO5
Direct Asessment Plan     Measured Learning Outcome       Project     LO6, LO5       Mid Exam     LO1, LO2
Direct Asessment     Measured Learning Outcome       Project     L06, L05       Mid Exam     L01, L02       Final Exam     L03, L04
Direct Asessment     Direct Asessment Plan     Measured Learning Outcome       Project     LO6, LO5       Mid Exam     LO1, LO2       Final Exam     LO3, LO4       Indirect Assessment     Questionnaire (EDOM)