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Software size measurement of student information terminal with use case point

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Abstract

Student Information Terminals (S-IT) is an independent academic service information system for students, where this service makes it easy for students to obtain academic information in real time with information such as the transcript of academic achievement, finance, course, attendance, exam, lecturer, card examinees and announcements academic, and has the function to print directly the data independently on S-IT devices. To find out how well the S-IT is in terms of software size, then needed a measurement. The measurements used in this paper using the Use Case Point (UCP) method as one of the approved software metrics which measure the functionality our software size. The results of the measurement of software size S-IT shown that the project has a small size, the software has a value of

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UCP = 96.767 estimate effort, has the development time 1,452 hours or equivalent 9 months 1 week and have development costs in Indonesian Rupiah is 263,175,000 IDR. The aims of measurement software size S-IT with the use case point is to help make decisions about the implementation of software development application project in terms of the estimated time, costs, and people. © 2017 IEEE.

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information system academic; software measurement; software metrics; student information terminal; use case point

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