

# **SOFTWARE QUALITY MEASUREMENT USING THE MCCALL METHOD IN AN ANDROID-BASED STUDENT ACTIVITY UNIT INFORMATION SYSTEM (Case study: Politeknik Negeri Bengkalis)**

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## **Abstract**

*Software quality measurement is a process used to determine the accuracy, completeness and quality of software. Software quality is the most important part of software quality assurance and is the fundamental foundation of specification, design and coding. To measure a system using the McCall method. The McCall method is a method used to assess a system by focusing on product revisions. The system to be measured is the Student Activity Unit (UKM) Information System. Information Systems can help or facilitate students in getting to know UKM, so that students are not left behind in the developments and activities carried out by an UKM, using the Rational Unified Process (RUP) method. This method was chosen because this method uses a disciplined approach in carrying out its duties and responsibilities in an organization. This system is made in the form of Android using the Flutter programming language so that it is easily accessed by users. From the results of measuring the quality of software using the McCall method in the Student Activity Unit Information System application, 76,8% is included in the Eligible category for use.*

**Keywords:** *McCall, software quality, Information System, Student Activity Unit, Rational Unified Process (RUP).*