

# **Pengembangan Aplikasi Deteksi Dini Kesulitan Belajar Siswa SMP di Kota Yogyakarta**

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## **ABSTRACT**

### *Abstract*

*This research began with the finding that guidance and counseling teachers experienced obstacles in carrying out Learning Difficulties Diagnoses. According to this statement, the aim of this research is to produce an application product for early detection of learning difficulties for junior high school students in the city of Yogyakarta.*

*The research method used is development research and only reaches the product validation stage. This research is designed to be sustainable, so that in the first year it produces products that have been validated by material and media experts. The research sample was 37 Yogyakarta City Middle School guidance and counseling teachers whose criteria were based on the results of collaboration with Yogyakarta City Middle School MGBK administrators. The data collection technique uses FGD and distributing questionnaires, so that the instruments are in the form of interview guidelines and validation of material and media questionnaires. Meanwhile, data analysis uses quantitative and qualitative.*

*The results obtained by the application for early detection of student learning difficulties contain 3 parts. Part 1 is about application and student identity, part 2 is about learning difficulty detection material, and part 3 is about results and recommendations. This application is also equipped with a guide to using it.*

*Kata Kunci: application, academic problems, middle high school students*