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## Development of Physical Test Applications Basketball Sports Model in Regional Student Education and Training Center

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**Abstract**—This study aims to develop an application model for physical testing of basketball athletes conducted using Visual Basic 6.0 applications for athletes at the education and training center for students in the Musi Banyuwasin district. This research uses research and development methods. Based on the validity of the experts that have been obtained, the results of the first stage of validation from the application experts are 63.62% and the physical experts and the basketball coach are 70% with a good enough category for the first validation stage. The results of the second stage of validation, the application of 87.5%, and the physical trainer and basketball coach 86.6% of the data concluded that the application for physical testing was suitable for use. Application tests on a small scale get a percentage of 33% with a bad category and physical impairment 73.4% with a fairly

The rapid development of science and technology (science and technology) makes things easier and faster. Sports is one of the fields that cannot be separated from the use of science and technology, namely computers. In various fields, the development of science and technology has a very important influence, the emergence of new applications that are widely used by people to facilitate testing and measurement activities, such as the leg muscle strength test with a leg dynamometer. The tester only pulls the tool grip on the leg dynamometer so it will easily result in leg muscle strength on the tester. [2] the result is the designer of the Fitness Exercise Application can be used as an alternative application that can be used by beginners in understanding the techniques and effects of the use of fitness equipment. This application can also increase knowledge of center members regarding fitness training. Results from

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