

# **development of basic helping of life**

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## **ABSTRACT**

Background: The problem occurs when the athlete is required to master the things that are necessary in the long jump athletics. Objective: In particular, this study aims: first, to create DEVELOPMENT TOOLS DETECTORS long jump LJDOF-SDH BASED SENSOR, and the second is to be a book of reference for the whole community of badminton in Indonesia and also can serve as a reference as a handbook on the course of coaching sports badminton in Indonesia. Target Specialty: Realize DEVELOPMENT TOOLS DETECTORS long jump LJDOF-SDH BASED SENSOR was developed in order to meet market demands in terms as a reference or guidelines and handbooks for trainers, teachers, school sports as well as for students of the Faculty of Sport Sciences in Indonesia and also for the lecturers that administer related subjects in Indonesia in order to produce output that is more capable in achieving the target of student achievement as well as student and athlete, particularly the field of sporting achievement, in addition to the product was tested for feasibility with stakeholders and will be revised in accordance with inputs from the stakeholders. Results can be embodied into scientific articles published in national and international scientific journals or presented at national and international seminars. Methods: The research method and Validation is a method of research used to produce a particular product, and test the efficacy of such products (Sugiyono, 2011: 297). The products were validated in the form of reference books DEVELOPMENT TOOLS DETECTORS Model LJDOF-SDH long jump BASED SENSOR.

Kata Kunci: *development, book, model*