

Disaster Preparedness Education for Special Needs Students in Special Education Schools in the Special Region of Yogyakarta

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ABSTRACT

This research aims to develop PUSRIM-based natural disaster response education (puzzle, siren, music) for students with special needs. This research method is R & D with the ADDIE model: analysis, design, development, implementation, and evaluation. The research method is ADDIE-type research and development with the Dick, Carey, and Carey model through the stages of analysis, planning, development, implementation, and evaluation. Data collection techniques were questionnaires, FGDs, in-depth interviews, observations, and document studies. During the needs analysis, the research was conducted in Bantul Regency, Yogyakarta, Indonesia, on 10 teachers and 10 students with special needs. FGDs were attended by 25 teachers, principals, and the head of the mentally handicapped vocational program, and a limited scale trial in grade 5 of SLB Negeri 1 Bantul. The research findings state that the disaster response learning model has seven steps assisted by PUSRIM media. Based on expert validation of the learning model, this disaster response learning model is feasible to use with a score of 0.89 (high criteria). The calculation results show all content validity with 17 statements obtained less than 0.75, consisting of aspects of the total average with a value of 0.70, has moderate criteria, and needs improvement in design, presentation, and media function. This natural disaster response learning model is implemented through seven stages, and the impact of its implementation is seen from the effectiveness assessment for students with special needs through the measurement of affective aspect learning outcomes with a mean score of 0.84 (high category). Future research needs to explore the latest media-based disaster response learning model.

Kata Kunci: Disaster Response Education, PUSRIM, Students with Special Needs.