### THE UTILIZATION OF [INDIGENOUS KNOWLEDGE](https://www.cabdirect.org/cabdirect/abstract/19941800595) RABI RO’O FOR DEVELOPING SUBJECT SPECIFIC PEDAGOGIC OF PHYSICS TO ENHANCE THE CONCEPTUAL KNOWLEDGE AND PATRIOTISM ATTITUDE AMONG RURAL SCHOOL STUDENTS

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| Dadan Rosana*Faculty of Mathematics and Science**Universitas Negeri Yogyakarta*Yogyakarta, Indonesiadanrosana@uny.ac.id | Ernasari*Department of Science Education, Graduate School,**Universitas Negeri Yogyakarta*Yogyakarta, Indonesiaernasari.2017@student.uny.ac.id |

**Abstract** - The main problem on the education standardization in Indonesia is the equitable access due to its geographical coverage with the boundaries of oceans, rivers, mountains, and forests. This condition has a direct impact on the low quality of rural schools, such as the limited support of human resources, infrastructure, and financial conditions. As what happened at 1 Woha High School and 1 Belo High School in Bima Regency, West Nusa Tenggara, it should not only be a government concern but also the responsibility of the whole nation, especially those who work in the field of education. One of the most appropriate alternative solutions is by utilizing the indigenous knowledge system (Rabi Ro'o) for developing Subject-Specific Pedagogic (SSP) of Physics to enhance the conceptual knowledge and patriotism among students in the rural schools. This research employed Research and Development (R&D) type with five phases of instructional design [1]. The syntax of this spiral model was done through five development phases, namely: (1) define, (2) design, (3) demonstrate, (4) develop, and (5) deliver. The results of this study were; (1) the SSP based on Rabbi Ro'o was feasible (0.74) and practical (0.82) for physics learning process, (2) the SSP based on Rabbi Ro'o was empirically proven effective to improve the conceptual knowledge and patriotism among the rural schools students (sig. 0.005).

**Kata Kunci:** [*indigenous knowledge*](https://www.cabdirect.org/cabdirect/abstract/19941800595)*, Rabi Ro’o, subject-specific pedagogic, conceptual knowledge*