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Gnoseoepistemology Of Powder Metallurgy: Process Of Technological Innovation With An Environmental Vision In Mechanical Engineering

ABSTRACT

The purpose of the research was to generate a gnoseoepistemological complexus of powder metallurgy as a process of technological innovation with an environmental vision in mechanical engineering. In this sense, a tour of the arguments that constitute the problem under study is made; It was based on the framework of investigative theories composed of Bronfenbrenner's Ecological Theory (1987) and the Theory of the three dimensions of sustainable development. The methodological dimension was determined by processes, methods and instruments provided by the postpositivist paradigm through the phenomenological - hermeneutic method of Van Manen, with a scenario that was represented by the Universidad Politécnica Territorial del Alto Apure "Pedro Camejo, and as informants two (02) Teachers and three (03) students who have knowledge and experience on powder metallurgy. The interpretive process generated as a finding the understanding of the training of mechanical engineering students in ecological, productive and technological materiality suitable for an environment of universitary commitment. It is concluded: concrete actions are established towards the professionalization of the student, through the consolidation of a program that allows him to advance towards fourth and fifth level studies; so that the participation and motivation of engineers in the generation and transformation of knowledge through scientific research is valued.

Descriptors: Powder metallurgy, Technological Innovation, Mechanical Engineering.

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