

THE INFLUENCE OF LEADED INQUIRY LEARNING MODEL THROUGH THE LESSON STUDY ON THE DEVELOPMENT OF THE CONCEPT OF THE TRANSISTOR ONE STAGE AMPLIFIER IN ANALOG ELECTRONIC LABORATORY COURSE

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ABSTRACT

The lesson study based inquiry method has been studied in the subject of analog electronics laboratory in theme of characterization of diodes and rectifier. Lesson study is intended to improve the learning process because students cannot understand the concept of rectifier due to theoretical analysis using ideal diodes. The inquiry method aims to make it easier for students to understand and apply the concept. From four lesson study cycles, it was found that by characterizing diode and using graphical method, it helps the students to understand the shape of half-wave rectifier output.

Kata Kunci: *Lesson study, inquiry, diode, rectifier*