

ABSTRACT

Auditorium is a large room that is usually used for public gatherings. At the University of Telkom, there are auditoriums are often used to conduct public lectures, seminars, or commonly called a room for speech. In the assessment of acoustics, a room acoustic parameters assessed by objective and subjective acoustic parameters. Objective acoustic parameters consist of the reverberation time, background noise level, listening level, and Rasti. As for the subjective acoustic parameters assessed based on an assessment of the human being. In the auditorium (KU3.08.11) has conducted field measurements with the results of reverberation time 1,5s - 1.6 s, listening appropriate level, Rasti 58%, and NC 25 of these results for the reverberation time parameter and value Rasti not meet recommendations for room for speech. In this study, simulation and diffusor absorber mounting on the wall space to determine the effect of changing the objective acoustic parameters of the room. From the simulation results obtained reverberation time between 0,64s - 0,92s with absorber mounting on the wall side and rear diffusor and the installation on the side wall of the column.

Keywords : auditorium, objective acoustic parameters, absorber, diffusor.