

# ACOUSTIC CONSIDERATIONS SOUND USING THE DEVELOPMENT OF THE "GEJOG LESUNG" MUSIC INSTRUMENT

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## ABSTRACT

### Abstract

The purpose of this study is the development of the mortar gejog design with sound acoustic considerations. During this time, the music of the mortar gossip is simply taken from a used rice pounding tool that is not used anymore so that the acoustic sound side gets less attention. The method used in this research is the research and development method which is a research method for producing products and testing those products. The research steps are as follows: potential and problems of preparation of product design-data validation from product design revision-product revision-product revision revision. The results showed that the acoustic design of dimples depth and dimples length produced more and more melodious sound variations. The main positions of the sound produced are: (1) Deep Bass, mortar is hit on the inside of the circle, in the middle of a long mortar. (2) Rice Bas, mortar is hit at the bottom, like pounding rice. (3) Tom Lingir Kecil, mortar is hit the end in a small mortar part 2 m. (4). Tom Njobo, mortar was hit outside. (5). Circle Scraber, mortar is hit the inside of a small box. (6). Scraber, dimples are sounded with a beater pulled on the scraber. The results of making musical instruments Gejog Lesung with acoustic considerations produce sound more melodious and varied. The selection of the 6 parts of the mortar beat that was beaten was able to be practiced by the ladies of the Glondong Cultural Village to accompany various variations of Indonesian popular musical accompaniment styles, Javanese children's songs as well as song types of keroncong.

Kata Kunci: *Keywords: gejog lesung, sound acoustic, accompaniment style variation.*