

GAME STUDY OF TRADITIONAL CANNON BURST TUBE

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ABSTRACT

This study aims to determine the effect of a mixture of calcium carbide with water as a mixture of explosives. The second objective is to know the distance throw the ball against the mass amounts of carbide mixed with water and find out what is the best angle to the ejection distance of the ball.

This study was initiated by mixing water with calcium carbide to produce ethane gas that can be used as explosives. By varying the amount of carbide are determined as much as 4 grams of any mixture with water as basic materials. For variation of the angle with a protractor so that the angle between the surface of the ground with a slope of guns that has been set. For the cannon holes in specified length further in the holes in the bamboo ros so hollow bamboo cannon with a length of 70 cm and a second bamboo cannon with a length of 50 cm.

For the explosion through the process gas pressure in the fuel that has been used fire so that all the gas that accumulates inside the cannon tube burned all. In a variation of the angle produced the best distance throw the ball at an angle that is 50°. For the length of 70 cm with a distant cannon 24.92 m and to length of 50cm with a distant cannon 20.15 m at an angle of 50

Keywords : mass carbide , cannon tube , throw the ball