

The aim of this experimental research was to find out the mixture of stoneware bodies using Kamphaeng Phet clay. The samples were fired at the constant temperature of  $1,240^{\circ}$  celcius under both oxidation and reduction atmospheres. Five samples of the Kamphaeng Phet clay were obtained from five places. The Kamphaeng Phet clay of each place was mixed with different proportions of feldspar and quartz. By the tri-axial sampling method, seventy-five samples of clay were obtained. The experimental research was conducted by testing the quality of the Kamphaeng Phet clay and the stoneware physical bodies. Then the best quality stoneware from five places was selected and cast in a mold and glazed with the feldsparthic glaze.

The study showed that the Kamphaeng Phet clay from all five locations processed the physical quality suitable for stoneware bodies. These stoneware bodies was appropriate for mold casting and glazed with the feldsparthic glaze.