

In this experiment, the hydrometer method was applied to determine the soil texture of two different samples by knowing the percentage of sand, clay and silt in each sample. The results are consistent with soil texture databases and we found that the hydrometer method is an effective method for determining soil texture. The results showed through the principles of dispersion and sedimentation that sand settled and settled faster than clay and silt, so that the results through the hydrometer indicated that sand particles settled within 40 or less while clay and silt particles settled within two hours or more.