Has done research on the study of filtration of lemon added NaCl + Na-EDTA as an electrolyte batteries. During this time the battery electrolyte used H$_2$SO$_4$. Because the H$_2$SO$_4$ result in itching and sores, even are toxic to the body when inhaled, so I am looking for an environmentally friendly alternative to the electrolyte of a vegetable by using lemon water filtration (FJN) so voltage up to gained 7.40 Volts while the electrolyte Grade up to 12 Volts. To be continued in the future how can enhance the characteristics of electrolyte FJN so to equal the electrolyte H$_2$SO$_4$.

Keywords: Filtration of Lemon, Lemon Batteries, Battery Electrolyte Alternative.