

Supplementary Materials (SM)

Highly Sensitive ZnO/Au Nanosquare Array Electrode for Glucose Biosensing by Electrochemical and Optical Detection

Vinda Zakiyatuz Zulfa¹, Nasori Nasori^{1*}, Ulya Farahdina¹, Miftakhul Firdhaus¹, Ihwanul Aziz², Hari Suprihatin², Muslikha Nourma Rhomadhoni³ and Agus Rubiyanto¹

¹ Laboratory Medical Physics and Biophysics, Department of Physics, Faculty of Sciences and Data Analytic, Sepuluh Nopember Technology Institute, Surabaya 60111, Indonesia; vzakiyatuz@gmail.com (V.Z.); nat.nasori@physics.its.ac.id (N.N.); ulyafarahdina06@gmail.com (U.F.); mfidauz8@gmail.com (M.F.); arubi@physics.its.ac.id (A.R.)

² Research Center for Accelerator Technology, Research Organization of Nuclear Energy, National Research and Innovation Agency (BRIN) Yogyakarta 55281, Indonesia; b_darsono@batan.go.id (D.D.); ihwanul@batan.go.id (I.A.)

³ Occupational and Safety Department, Nahdlatul Ulama University of Surabaya; nat.nasori@physics.its.ac.id (M.N.R.)

* Correspondence: nat.nasori@physics.its.ac.id

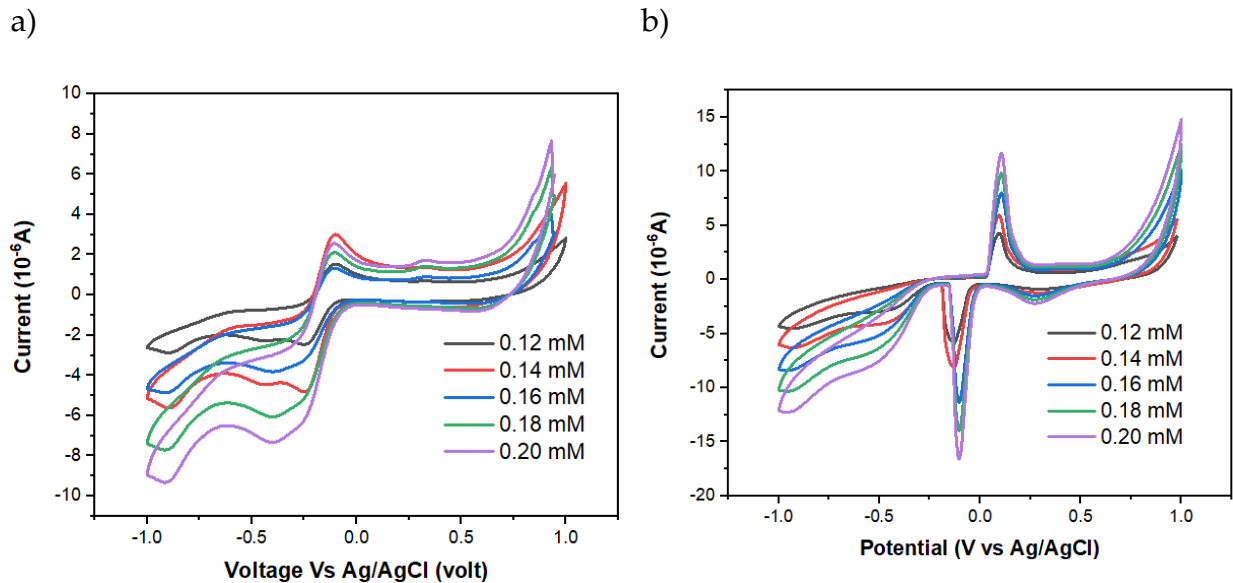


Figure S1. CV graph of the ZnO/Au nanosquare array with the addition of GOx with varying concentrations of a) fructose and and b) sucrose.