

Supplementary Materials (SM)

Electrochemical and Optical Analysis of Various Compositions of Au and Ag Layers for Blood Cancer Prognosis

Ulya Farahdina ¹, Amastasia Salsabila Muliawati ¹, Vinda Zakiyatuz Zulfa ¹, Miftakhul Firdhaus ¹, Ihwanul Aziz ², Hari Suprihatin ², Darsono Darsono ², Nasori Nasori ^{1,*} and Agus Rubiyanto ^{1,*}

- ¹ Laboratory Medical Physics and Biophysics, Department of Physics, Faculty of Sciences and Data Analytic, Institut Teknologi Sepuluh Nopember, Surabaya 60111, Indonesia; ulyafarahdina06@gmail.com (U.F.); amastiasalsabila@gmail.com (A.S.M.); vzakiyatuz@gmail.com (V.Z.Z.); mfirdauz8@gmail.com (M.F.); nat.nasori@physics.its.ac.id (N.N.); 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; ihwanul@batan.go.id (I.A.); hari044@brin.go.id (H.S.); darsono@brin.go.id (D.D.)
- * Correspondence: nat.nasori@physics.its.ac.id (N.N.) and arubi@physics.its.ac.id (A.R.)

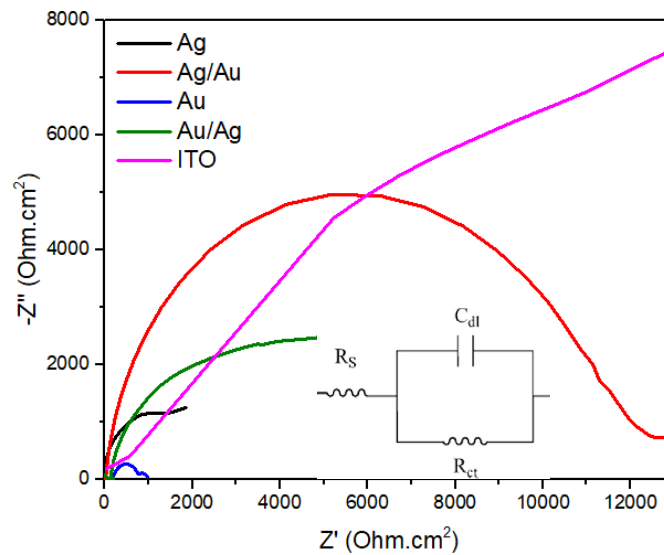


Figure S1. The results of the EIS tests on the various types of electrodes without the deposition of BSA.

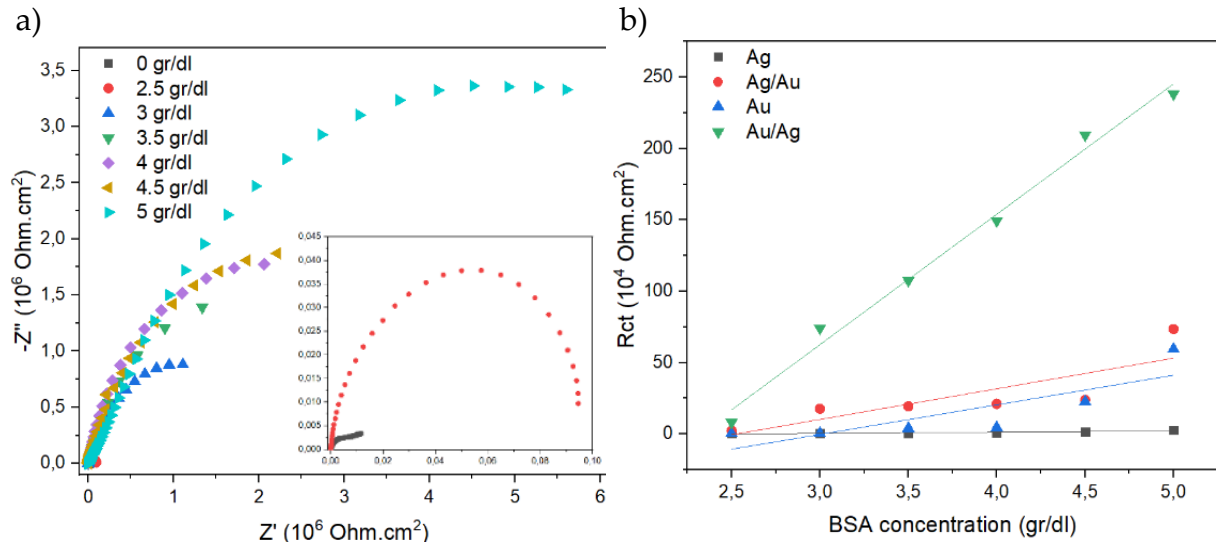


Figure S2. a) The results of the EIS test with varying concentrations on the Ag/Au thin film. b) The R_{ct} values of the Ag, Au, Ag/Au and Au/Ag thin film with varying concentrations of BSA.