BIOGRAPHY

The author was born on July 17 th, 1989 in Samosir Island. He is the thirteenth of fourteen brothers from father Jatan Gultom and mother Marsaulina ButarButar. The author start education from SD Negeri 173705 Sitamiang, Samosir, then continue to SMP RK Bhakti Mulia Onan Runggu, Samosir and continue to SMA Negeri 4 Pematangsiantar. For high level Education, the author entered into Physics Department Medan State University in 2008 and finished study in 2012 then continue to graduate level in Education Program in Physics Department in 2014 and completed the study in 2018 with the Thesis titled Development of Physics Laboratory Manual Based on Inquiry - Based Laboratory to Improve Competencies on Scientific Investigation.