Title: How many can you infect? A short story on COVID-19 modelling in Indonesia

Abstract: The emergence of SARS-CoV-2 in December 2019 in China and its worldwide dissemination has become a major public health priority, including in Indonesia. In this talk, I will share some background stories of the early stages of the pandemic in the country and my involvement in a consortium that model the disease and help local governments in fighting the pandemic. I will discuss some mathematical (compartmental) models that we proposed as well as methods on estimating the reproduction number (i.e., the number of people that can be infected by one infectious person during an epidemic outbreak), which is crucial for developing policy responses.