Dissertation checklist

# Data availability

Data availability statement

All dissertations must include a data availability statement. This statement should provide the following information, where applicable:

- Accession codes, unique identifiers, or web links for publicly available datasets.

- A description of any restrictions on data availability.

I have provided a full data availability statement in the dissertation.

Confirm that all relevant data are deposited into a public repository and that accession codes are provided.

All relevant accession codes/ repository links are provided.

No data was used.

Clinical research secondary data

To my knowledge, all relevant ethical regulations have been complied with in generating the datasets used throughout.

I used datasets that were publicly available online.

https://surveilans-dinkes.jakarta.go.id/rekap\_harian.php

https://jakarta.bps.go.id/indicator/12/111/1/jumlah-penduduk-provinsi-dki-jakarta-menurut-kelompok-umur-dan-jenis-kelamin.html

# Human research participants

Information about studies involving human research participants

If your dissertation includes dataset(s) generated from clinical trials done in human populations provide a detailed description of the study protocol and ensure that ethical clearance was obtained to perform said study.

Population characteristics

Describe the population characteristics of the study population (e.g. age, gender genotypic information, treatment categories).

Recruitment

Describe how participants were recruited. Outline any potential biases that may be present and how these are likely to influence outcomes).

Ethics oversight

Identify the organisation(s) that approved the study protocol and provide the clinical trial registration number if known.

# Code availability

Code availability statement

All dissertations must include a code availability statement describing how the code used can be accessed, including any access restrictions. The code availability statement should be provided as a separate section after the data availability statement but before the References.

I have provided a full code availability statement in the dissertation.

Software and code

Please state software(s) and version(s) used in the dissertation

R version 4.2.3

A list of libraries used in the code: pacman, deSolve, tidyverse, gridExtra, readxl, ggplot2, dplyr

I certify that all the above information is complete and correct.

Your typed name: Nando Reza Pratama

Date: 23 Aug. 23