

## ABSTRACT

### ANALYSIS OF MATERNAL DEATH BASED ON CYCLE THRESHOLD POLYMERASE CHAIN REACTION VALUES IN PREGNANT WOMEN CONFIRMED WITH COVID-19 IN RSUD. DR. H. ABDUL MOELOEK, LAMPUNG PROVINCE

By

**Arianda Aditia**

**Background :** COVID-19 is an infectious disease caused by SARS-CoV-2. COVID-19 infect all groups, including pregnant women, resulting in a high positive rate pregnant women. COVID-19 diagnosis process can be supported by RT-PCR test. The RT-PCR test there is a CT-Value which is used to see the viral load which can affect the severity of COVID-19, including pregnant women who experience physiological changes in the body that can lead to maternal death. The purpose of this study was to analyze CT-Value RT-PCR on maternal mortality.

**Methods :** This research is an observational analytic study with a cross-sectional approach. The sampling technique used was total sampling. The number of samples were 76 pregnant women with COVID-19 at Abdul Moeloek Regional General Hospital, Lampung Province period March 2020-October 2021.

**Results :** The number of pregnant women who died due to COVID-19 at Abdul Moeloek Hospital, Lampung Province period March 2020-October 2021, was 12 (15.8%) of all pregnant women who were confirmed COVID-19, namely 76 patients. In the statistical test, the p-value was 0.211 ( $p > 0.05$ ), it was concluded that the CT-Value of pregnant women with COVID-19 did not affect maternal mortality.

**Conclusion :** Maternal mortality is not affected by CT-Value PCR pregnant women with confirmed COVID-19.

**Keywords :** COVID-19, CT-Value, Maternal Death.

## ABSTRAK

### ANALISIS KEMATIAN MATERNAL BERDASARKAN NILAI *CYCLE THRESHOLD POLYMERASE CHAIN REACTION* PADA IBU HAMIL TERKONFIRMASI COVID-19 DI RSUD. DR. H. ABDUL MOELOEK PROVINSI LAMPUNG

Oleh

**Arianda Aditia**

**Latar Belakang :** COVID-19 adalah penyakit menular yang disebabkan SARS-CoV-2. COVID-19 menginfeksi seluruh kelompok termasuk ibu hamil yang mengakibatkan tingginya angka positif pada ibu hamil. Proses diagnosis COVID-19 dapat ditunjang dengan pemeriksaan RT-PCR. Dalam pemeriksaan RT-PCR terdapat CT-Value yang digunakan untuk melihat viral load pasien yang dapat mempengaruhi tingkat keparahan pasien COVID-19 termasuk ibu hamil yang mengalami perubahan fisiologis pada tubuh yang dapat mengarah ke kematian maternal. Tujuan dari penelitian ini adalah menganalisa CT-Value RT-PCR pada kematian maternal.

**Metode :** Penelitian ini merupakan studi analitik observasional dengan pendekatan *cross-sectional*. Teknik pengambilan sampel dengan menggunakan *total sampling*. Jumlah sampel dalam penelitian ini adalah 76 pasien ibu hamil terkonfirmasi COVID-19 di Rumah Sakit Umum Daerah Abdul Moeloek Provinsi Lampung periode Maret 2020-Oktober 2021.

**Hasil :** Jumlah ibu hamil meninggal dunia akibat COVID-19 di Rumah Sakit Abdul Moeloek Provinsi Lampung periode Maret 2020-Oktober 2021 adalah 12 (15.8%) dari keseluruhan ibu hamil terkonfirmasi COVID-19 yaitu 76 pasien. Pada uji statistik didapatkan *p-value* 0.211 ( $p > 0.05$ ), maka disimpulkan bahwa CT-Value pada ibu hamil terkonfirmasi COVID-19 tidak mempengaruhi kematian maternal.

**Kesimpulan :** Kematian maternal tidak terpengaruhi CT-Value PCR ibu hamil terkonfirmasi COVID-19.

**Kata Kunci :** COVID-19, CT-Value, Kematian Matern