

**PERBEDAAN RERATA KADAR ZINC, TNF- $\alpha$  DAN MMP-9  
SERUM MATERNAL ANTARA PERSALINAN PRETERM  
DENGAN KEHAMILAN NORMAL**

**TESIS**



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## ABSTRAK

### PERBEDAAN RERATA KADAR ZINC, TNF- $\alpha$ DAN MMP-9 SERUM MATERNAL ANTARA PERSALINAN PRETERM DENGAN KEHAMILAN NORMAL

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**Tujuan** : Penelitian ini bertujuan mengetahui perbedaan rerata kadar Zinc, TNF- $\alpha$  dan MMP-9 serum maternal antara persalinan preterm dengan kehamilan normal.

**Metode** : Penelitian dilakukan dengan desain cross-sectional comparative. Populasi penelitian seluruh wanita dengan usia kehamilan antara 20 minggu sampai dengan < 37 minggu dengan partus prematurus iminens dan wanita hamil normal yang melakukan pemeriksaan ke SMF Kebidanan dan Kandungan RSUP Dr. M. Djamil dan Rumah Sakit jejaring. Total sampel 52 orang. Analisis data dilakukan secara bivariat dengan uji T independent dan regresi binary logistik untuk analisis multivariat.

**Hasil** : Terdapat perbedaan rerata kadar Zinc, TNF- $\alpha$  dan MMP-9 serum maternal antara persalinan preterm dengan kehamilan normal. Zinc merupakan faktor dominan terjadinya persalinan preterm dengan nilai OR 1,13.

**Kesimpulan** : Zinc merupakan faktor dominan terjadinya persalinan preterm

**Kata kunci** : Preterm, Zinc, TNF- $\alpha$ , MMP-9



## ABSTRACT

### MEAN DIFFERENCES ZINC, TNF- $\alpha$ AND MMP-9 SERUM MATERNAL BETWEEN PRETERM LABOR AND NORMAL PREGNANCY

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**Objective:** This study aims to determine mean differences Zinc, TNF- $\alpha$  and MMP-9 serum maternal between preterm labor and normal pregnancy.

**Methods:** The study was conducted with cross-sectional comparative design. The study population of all woman between 20 weeks- < 37 weeks with partus prematurus iminens and normal pregnancy performing the check up to Obstetrics and Gynecology Functional Medical Staff General Hospital Dr. M. Djamil and networking hospital. Total sample of 52 people. Data were bivariate analyzed by independent T test and multivariate analyzed by regression binary logistic.

**Results:** There are mean differences Zinc, TNF- $\alpha$  and MMP-9 serum maternal between preterm labor and normal pregnancy. Zinc is dominant factor for preterm labor with OR 1,13.

**Conclusion :** Zinc is dominant factor for preterm labor.

**Keywords :** Preterm, Zinc, TNF- $\alpha$ , MMP-9

