

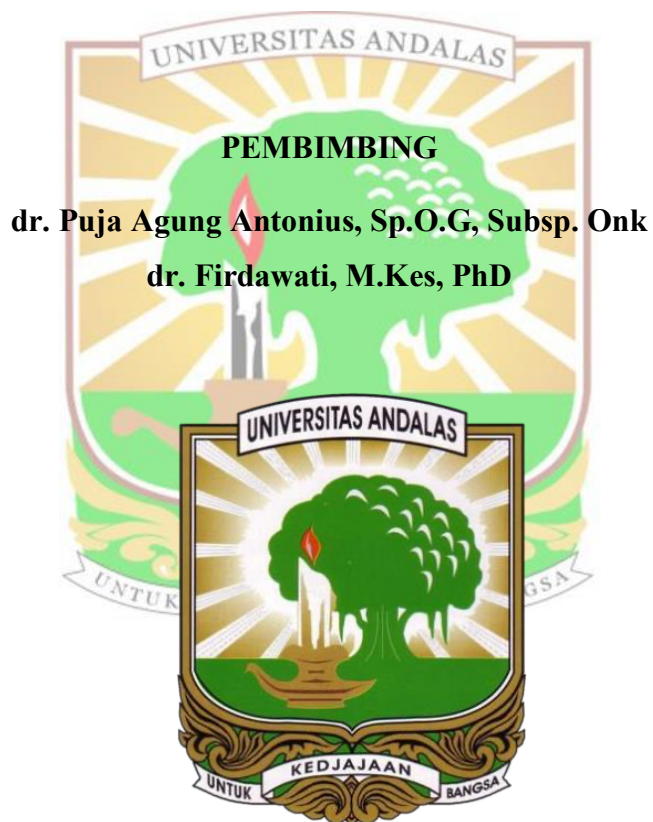
**HUBUNGAN KEJADIAN MYELOSUPRESI DENGAN KADAR VITAMIN D  
PADA PASIEN KANKER OVARIUM YANG MENJALANI KEMOTERAPI  
*PLATINUM-TAXANE BASED* DI RSUP DR. M. DJAMIL PADANG**

**TESIS**

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**PROGRAM PENDIDIKAN DOKTER SPESIALIS (PPDS)  
OBSTETRI DAN GINEKOLOGI  
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## ABSTRAK

# HUBUNGAN KEJADIAN MYELOSUPRESI DENGAN KADAR VITAMIN D PADA PASIEN KANKER OVARIUM YANG MENJALANI KEMOTERAPI *PLATINUM-TAXANE BASED* DI RSUP DR. M. DJAMIL PADANG

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**Pendahuluan:** Kanker ovarium adalah penyebab utama kematian pada wanita. Tatalaksana pasien kanker ovarium stadium lanjut salah satunya dengan kemoterapi. Akibat pemberian kemoterapi *Platinum-Taxane Based* pada pasien kanker ovarium menunjukkan efek samping myelosupresi, yaitu: anemia, leukopenia, dan trombositopenia.

**Tujuan:** Penelitian ini bertujuan untuk mengetahui hubungan kejadian myelosupresi dengan kadar vitamin D pada pasien kanker ovarium yang menjalani kemoterapi *Platinum-Taxane Based*.

**Metode:** Jenis penelitian ini adalah penelitian analitik korelasi dengan desain *cross sectional* yang dilakukan pada Oktober 2023 sampai Mei 2024 di RSUP Dr. M. Djamil Padang. Pasien yang diikuti adalah pasien kanker ovarium yang menjalani kemoterapi *Platinum-Taxane Based* dengan hasil laboratorium anemia, leukopenia, dan trombositopenia.

**Hasil:** Diperoleh hasil penelitian tidak terdapat hubungan antara anemia dengan kadar vitamin D  $p = 0.328$  ( $p > 0.05$ ), terdapat hubungan antara leukopenia dengan kadar vitamin D  $p = 0.034$  ( $p < 0.05$ ), dan tidak terdapat hubungan antara trombositopenia dengan kadar vitamin D  $p = 0.281$  ( $p > 0.05$ ).

**Kesimpulan:** Terdapat hubungan myelosupresi dengan kadar vitamin D, khususnya leukopenia pada pasien kanker ovarium yang menjalani kemoterapi *Platinum-Taxane Based*.

**Kata kunci:** Kanker Ovarium, Kemoterapi, *Platinum-Taxane*, Myelosupresi, Vitamin D

## **ABSTRACT**

# **THE RELATIONSHIP OF MYELOSUPPRESSION WITH VITAMIN D LEVELS IN OVARIAN CANCER PATIENTS UNDERGOING PLATINUM-TAXANE-BASED CHEMOTHERAPY AT DR. M. DJAMIL CENTRAL GENERAL HOSPITAL PADANG**

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**Introduction:** Ovarian cancer is the main cause of death in women. One of the treatments for patients with advanced ovarian cancer is chemotherapy. As a result of administering Platinum-Taxane-Based chemotherapy in ovarian cancer patients, myelosuppression side effects are shown, namely: anemia, leukopenia, and thrombocytopenia.

**Aim:** This study aims to determine the relationship between the incidence of myelosuppression and vitamin D levels in ovarian cancer patients undergoing Platinum-Taxane-Based chemotherapy.

**Method:** This type of research is a correlation analytical research with a cross-sectional design carried out from October 2023 to May 2024 at Dr. M. Djamil Central General Hospital Padang. The patients included were ovarian cancer patients who underwent Platinum-Taxane-Based chemotherapy with laboratory results of anemia, leukopenia, and thrombocytopenia.

**Results:** The research results showed that there was no relationship between anemia and vitamin D levels  $p = 0.328$  ( $p > 0.05$ ), there was a relationship between leukopenia and vitamin D levels  $p = 0.034$  ( $p < 0.05$ ), and there was no relationship between thrombocytopenia and vitamin D levels  $p = 0.281$  ( $p > 0.05$ ).

**Conclusion:** There is a relationship between myelosuppression and vitamin D levels, especially leukopenia in ovarian cancer patients undergoing Platinum-Taxane-Based chemotherapy.

**Keywords:** Ovarian Cancer, Chemotherapy, Platinum-Taxane, Myelosuppression, Vitamin D