

# Semikuantifikasi mRNA dnaJ *Prevotella intermedia* yang diisolasi dari Dental Implan sehat dan Periodontitis Kronis = Semiquantification of dnaJ mRNA *Prevotella intermedia* isolated from healthy Dental Implant and Chronic Periodontitis

Bella Karenina, author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20330462&lokasi=lokal>

---

## Abstrak

Latar belakang: *Prevotella intermedia* merupakan bakteri patogen periodontitis kronis yang berasosiasi dengan plak dental implan. Lingkungan yang stres dapat memicu ekspresi mRNA dnaJ bakteri.

Tujuan: Analisis semikuantitatif mRNA dnaJ *P.intermedia* yang diisolasi dari plak dental implan sehat dan periodontitis kronis.

Metode: *P.intermedia* dikultur selama 6 dan 11 hari, mRNA dnaJ dikuantifikasi secara Reverse-Transcription PCR.

Hasil: Hasil semikuantifikasi intensitas ekspresi mRNA dnaJ *P.intermedia* isolat dental implan sehat [6 hari;91,09%] dan [11 hari;88,42%], pada periodontitis kronis [6 hari;87,03%] dan [11 hari;76,94%].

Kesimpulan: Terdapat perbedaan intensitas ekspresi mRNA dnaJ *P.intermedia* pada isolat dental implan sehat dengan periodontitis kronis, namun tidak signifikan secara statistik.

.....

Background: *Prevotella intermedia* is a pathogenic bacteria in chronic periodontitis, which is associated with dental implant plaques. A stressed environment can trigger the expression of bacteria dnaJ mRNA.

Objectives: Semiquantitative analysis of dnaJ mRNA of *Prevotella Intermedia* isolated from healthy dental implant and chronic periodontitis plaques.

Methods: *P.intermedia* was cultured during 6 and 11 days, then dnaJ mRNA was quantified by using Reverse-Transcription PCR.

Result: The result of dnaJ mRNA of *P.intermedia* expression intensity semiquantification from isolated healthy dental implant [6 days;91,09%] and [11 days;88,42%], in chronic periodontitis [6 days;87,03%] and [11 days;76,94%].

Conclusion: There are differences in the expression intensity of dnaJ mRNA *P.intermedia* between isolated healthy dental implants and chronic periodontitis, but it is not statistically significant.