

**ASUHAN KEPERAWATAN PADA PASIEN DIABETES  
MELITUS TIPE 2 DENGAN ULKUS DIABETIKUM  
MELALUI PERAWATAN LUKA *MODERN ALGINATE*  
*DRESSING* DI RUANG TOPAZ  
RSUD dr. SLAMET GARUT**

**RATNASARI DEWI  
221FK06029**

**Program Studi DIII Keperawatan, Fakultas Keperawatan  
Universitas Bhakti Kencana**

**ABSTRAK**

**Latar Belakang:** Diabetes Melitus (DM) tipe 2 merupakan penyakit kronis yang dapat menimbulkan komplikasi berupa ulkus diabetikum akibat gangguan integritas kulit. Penatalaksanaan yang tepat sangat diperlukan untuk mencegah infeksi, mempercepat penyembuhan luka, dan meningkatkan kualitas hidup pasien. Salah satu metode perawatan yang terbukti efektif adalah penggunaan balutan modern, seperti *Alginate Dressing*, yang mampu mengontrol eksudat dan mendukung pembentukan jaringan granulasi. **Tujuan:** Studi kasus ini bertujuan untuk melakukan asuhan keperawatan pada pasien DM tipe 2 dengan ulkus diabetikum melalui perawatan luka *Modern Alginate Dressing* di ruang Topaz RSUD dr. Slamet Garut. **Metode:** Menggunakan metode pendekatan deskriptif kualitatif dengan studi kasus dalam asuhan keperawatan pada pasien 1 (Tn. J) dan pasien 2 (Ny.S) yang dilakukan pada tanggal 23-29 Mei 2025. Adapun instrument penelitian meliputi format asuhan keperawatan medikal bedah, tensimeter, thermometer, stetoskop, glucometer, meteran, lembar informed consent, SOP perawatan luka *Modern Alginate Dressing*, SAP perawatan luka *Modern Alginate Dressing*, dan leaflet perawatan luka *Modern Alginate Dressing*. **Hasil:** Pada kedua responden menunjukkan adanya perbaikan klinis berupa penurunan kadar glukosa darah, berkurangnya nyeri, penurunan jumlah eksudat dari banyak menjadi sedang, berkurangnya jaringan nekrosis, dan adanya tanda-tanda muncul granulasi sehat terutama pada pasien 2 (Ny. S). Meskipun untuk ukuran luka belum ada perubahan secara signifikan. **Kesimpulan:** Penerapan asuhan keperawatan penggunaan balutan *Modern Alginate Dressing* disimpulkan efektif dalam mempercepat penyembuhan luka dan meningkatkan penyembuhan pasien secara umum. **Saran:** Studi kasus ini disarankan dapat dipertimbangkan untuk penggunaan *Modern Alginate Dressing* sebagai salah satu dalam perawatan Ulkus Diabetikum karena terbukti efektif mempercepat penyembuhan luka.

**Kata Kunci:** *Alginate Dressing*, Diabetes Melitus tipe 2, Perawatan luka, Ulkus Diabetikum

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***NURSING CARE FOR PATIENTS WITH TYPE 2 DIABETES MELLITUS WITH  
DIABETIC ULCERS THROUGH MODERN WOUND CARE USING ALGINATE  
DRESSING IN THE TOPAZ WARD OF dr. SLAMET REGIONAL HOSPITAL GARUT***

***RATNASARI DEWI***

***221FK06029***

***Diploma III Nursing Program, Faculty of Nursing  
Bhakti Kencana University***

***ABSTRACT***

***Background:*** Type 2 Diabetes Mellitus (DM) is a chronic disease that may cause complications such as diabetic ulcers due to impaired skin integrity. Proper management is essential to prevent infection, accelerate wound healing, and improve patients' quality of life. One of the wound care methods proven effective is the use of modern dressings, such as Alginate Dressing, which can control exudates and support granulation tissue formation.

***Objective:*** This case study aims to provide nursing care for patients with type 2 DM and diabetic ulcers through modern wound care using Alginate Dressing in the Topaz Ward of dr. Slamet Regional Hospital, Garut. ***Method:*** A qualitative descriptive approach with a case study design was applied in the nursing care of two patients: Patient 1 (Mr. J) and Patient 2 (Mrs. S), conducted from May 23–29, 2025. The research instruments included medical-surgical nursing care format, sphygmomanometer, thermometer, stethoscope, glucometer, measuring tape, informed consent form, SOP for Modern Alginate Dressing wound care, teaching plan (SAP) for Modern Alginate Dressing wound care, and patient education leaflet for Modern Alginate Dressing wound care. ***Results:*** Both respondents showed clinical improvement, including decreased blood glucose levels, reduced pain, decreased exudate from large to moderate amounts, reduced necrotic tissue, and signs of healthy granulation tissue formation, particularly in Patient 2 (Mrs. S). However, no significant change in wound size was observed.

***Conclusion:*** The implementation of nursing care with the use of Modern Alginate Dressing is concluded to be effective in accelerating wound healing and improving overall patient recovery. ***Recommendation:*** This case study suggests that Modern Alginate Dressing should be considered as one of the options in diabetic ulcer management, as it has been proven effective in accelerating wound healing.

***Keywords:*** Alginate Dressing, Type 2 Diabetes Mellitus, Wound Care, Diabetic Ulcer

***References:*** 20 Journals, 2 Internet Sources, 7 Books (2016–2023)