

**LEMBAR**  
**HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW**  
**KARYA ILMIAH: JURNAL INTERNASIONAL**

Judul Jurnal Ilmiah (Artikel) : Plasma Jet Effectiveness Alteration in Acute Wound Healing by Binahong (*Anredera cordifolia*) Extract

Nama Penulis : 1) **Sri Darmawati**, 2) Nasruddin, 3) Kurniasiwati, 4) Ana Hidayati Mukaromah 5) Arya Iswara, 6) Gela Ayu Putri, 7) Rahayu, 8) E.S. Wahyuningtyas, 9) H. Lutfiyati 10) A-Kartikadewi, 11) S. Rejeki, 12) T. Ishijima, 13) T. Nakatani, 14) J. Sugama

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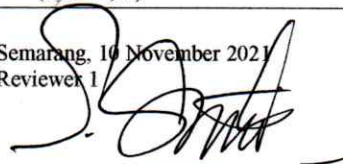
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Semarang, 19 November 2021  
 Reviewer 1



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- Ruang lingkup dan kedalaman pembahasan:** Substansi artikel sesuai dengan ruang lingkup jurnal (Plasma Medicine). Kedalaman pembahasan cukup baik (9 dari 33 buah rujukannya dilibatkan dalam proses membahas hasil). (skor=11,10).
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*Prof. Dr. Hermin Pancasakti Kusumaningrum, S.Si, M.Si*  
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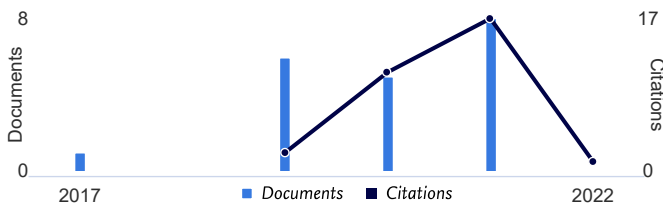
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## Plasma jet effectiveness alteration in acute wound healing by binahong (*Anredera cordifolia*) extract

[Darmawati S.](#)<sup>a, b</sup> [✉](#), [Nasruddin N.](#)<sup>a, b, c</sup>, [Kurniaswi P.](#)<sup>a, b, d</sup>, [Mukaromah A.H.](#)<sup>a, c</sup>, [Iswara A.](#)<sup>a, c</sup>, [Putri G.S.A.](#)<sup>a, c</sup>, [Rahayu H.S.E.](#)<sup>e</sup>, [Wahyuningtyas E.S.](#)<sup>b, c, e</sup>, [Lutfiyati H.](#)<sup>f</sup>, [Kartikadewi A.](#)<sup>b, g</sup>, [Rejeki S.](#)<sup>h</sup>, [Ishijima T.](#)<sup>i</sup>

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## Abstract

An atmospheric pressure plasma jet (APPJ) using medical-grade argon gas as the carrier gas was developed and used to investigate wound healing in small animals com-bined with Binahong

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Accelerated healing of chronic wounds under a combinatorial therapeutic regimen based on cold atmospheric plasma jet using contact and noncontact styles

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Wahyuningtyas, E.S. , Iswara, A. , Sari, Y. (2018) *Clinical Plasma Medicine*

Ethanol extract of the natural product of Daun sirih (Piper betle) leaves may impede the effectiveness of the plasma jet contact style for acute wounds

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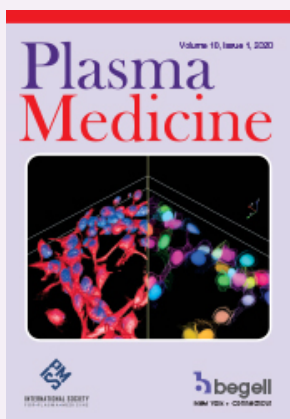
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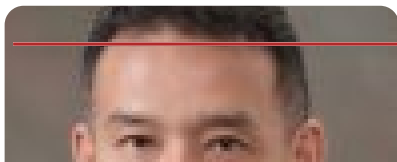
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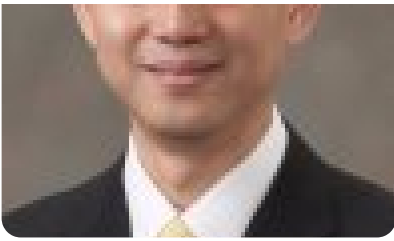
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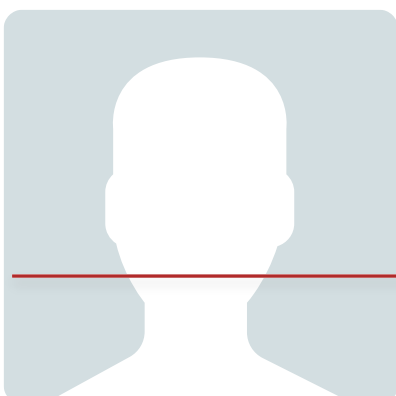
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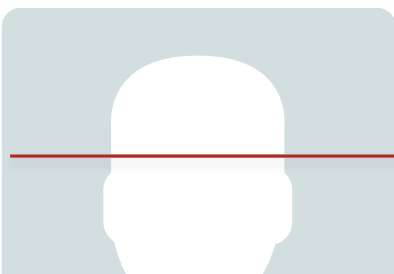
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DOI: 10.1615/PlasmaMed.v10.i4

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## **COLD ATMOSPHERIC PRESSURE PLASMA AS A TOOL TO CONTROL THE PROLIFERATION OF VARIOUS MAMMALIAN CELLS INCLUDING HUMAN MESENCHYMAL STEM CELLS FOR REGENERATIVE MEDICINE**

Jeongyeon Park, Kiwon Song

pages 203-216

DOI: 10.1615/PlasmaMed.2021036029

---

## **FROM PRECANCERS TO SKIN REJUVENATION—A REVIEW OF THE WIDE SPECTRUM OF CURRENT APPLICATIONS AND FUTURE POSSIBILITIES FOR PLASMA DERMATOLOGY**

Peter C. Friedman

pages 217-232

DOI: 10.1615/PlasmaMed.2020036898

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## **ANALYZING THE POSSIBLE ACTION MECHANISMS**

## OF ATMOSPHERIC PRESSURE NONTHERMAL PLASMA UPON MELANOMA CELLS

Jorge Humberto Serment-Guerrero, Alexa Adrian-Aguilar,  
Régulo López-Callejas, Rosendo Peña-Eguiluz

pages 233-242

DOI: 10.1615/PlasmaMed.2020036544

---

## COLD ATMOSPHERIC HELIUM PLASMA INDUCES APOPTOSIS BY INCREASING INTRACELLULAR REACTIVE OXYGEN AND NITROGEN SPECIES

Latha Ramireddy, Chih Ho Lai, Bih Show Low, Chuan Li, Jang  
Hsing Hsieh, Jyh Wei Lee, Hui Yu Wu

pages 243-257

DOI: 10.1615/PlasmaMed.2021036830

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## PLASMA JET EFFECTIVENESS ALTERATION IN ACUTE WOUND HEALING BY BINAHONG (*ANREDERA CORDIFOLIA*) EXTRACT

Sri Darmawati, Nasruddin Nasruddin, Putri Kurniasiwi, A. H.  
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Eka Sakti Wahyuningtyas, H. Lutfiyati, A. Kartikadewi, S. Rejeki,  
Tatsuo Ishijima, Toshio Nakatani, Junko Sugama

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pages 259-271

## INDEX, VOLUME 10, 2020

pages 273-277

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## Latest Issue

### TRANSDERMAL DELIVERY OF ADENOSINE AND EOSIN Y USING MICROPLASMA COMBINED WITH $\text{FeSO}_4$ AND DMSO IONTOPHORESIS

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Hiroto Matsuura, Nguyen Tran Trung, Bounyang Ouanthavinsak, Jin Sakamoto, Yuichiro Takemura, Ryoko Asada, Masakazu Furuta

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## **CHARACTERIZATION OF COLD ATMOSPHERIC PRESSURE PLASMA TECHNOLOGY AND ITS APPLICATION IN BIOMEDICINE**

Hom Bahadur Baniya, Pabitra Khadka, Sudip Pandey, Anusuya Nepal, Rajesh Prakash Guragain, Tika Ram Lamichhane, Santosh Dhungana, Bhupal Govinda Shrestha, Deepak Prasad Subedi

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## **THE MECHANISM OF LP-1 MYELOMA CELL INACTIVATION BY DC-POWERED PLASMA TREATMENT**

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## **RESECTION POLYMERIC DENTURES MODIFIED IN LOW-TEMPERATURE PLASMA FOR ORTHOPEDIC REHABILITATION OF CANCER PATIENTS**

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## **COLD ATMOSPHERIC PLASMA TREATMENT: A NOVEL METHOD FOR DIABETES MELLITUS THERAPY; A BASIC STUDY**

Alireza Rezaeinezhad, Marjan Mahdavi-Gharavia, Mohammad Talebi-Khoshmehr, Hossein Mirmiranpour, Hamid Ghomi

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## **ON MECHANISM OF INACTIVATION OF BIO-PARTICLES BY THE PLASMA EXPOSURE AND EVALUATION OF THE TOXICITY USING SINGLE DNA MOLECULES**

Akira Mizuno, Hachiro Yasuda, Hirofumi Kurita, Kazunori Takashima

# Cold Atmospheric Pressure Plasma as a Tool to Control the Proliferation of Various Mammalian Cells

## Including Human Mesenchymal Stem Cells for Regenerative Medicine

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### **ABSTRACT**

Cell proliferation is one of the most critical processes for ~~development, tissue regeneration, and wound healing, and is~~ tightly linked with cell differentiation and migration. Also, the



# Analyzing the Possible Action Mechanisms of Atmospheric Pressure Nonthermal Plasma upon Melanoma Cells

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