

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

Judul Jurnal Ilmiah (Artikel) : Accelerated Healing of Chronic Wounds under a Combinatorial Therapeutic Regimen Based on Cold Atmospheric Plasma Jet Using Contact and Noncontact Styles

Nama Penulis : 1) **Sri Darmawati**, 2) Nasruddin, 3) Gela Ayu Putri 4) Arya Iswara 5) Kurniasiwati Putri, 6) Eka Sskti Wahyuningtyas, 9) Laela hayu Nurani 10) Defi Nurul Hayati, 11) T. Ishijima, 13) T. Nakatani, 14) J. Sugama

Jumlah Penulis : 14 (empat belas) orang

Status Pengusul : **penulis pertama** / ~~penulis ke-....~~ / **penulis korespondensi\*\***

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 b. Nomor ISSN : 1947-5764  
 c. Volume, nomor, bulan, tahun: Vol 11, 2, 2021  
 d. Penerbit : begell house  
 e. DOI artikel (Jikaada) : 10.1615/PlasmaMed.2021039083  
 f. Terindeks di : Scopus

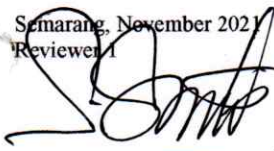
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Semarang, November 2021  
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 Unit kerja : Universitas Gadjah Mada Yogyakarta  
 Jab. Fungsional : Guru Besar  
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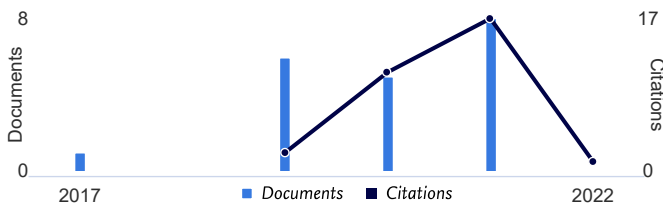
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# Accelerated healing of chronic wounds under a combinatorial therapeutic regimen based on cold atmospheric plasma jet using contact and noncontact styles

[Darmawati S.](#)<sup>a, b, c</sup> [✉](#), [Nasruddin N.](#)<sup>a, b, c</sup>, [Putri G.S.A.](#)<sup>a, b</sup>, [Iswara A.](#)<sup>a, b</sup>, [Kurniasiwati P.](#)<sup>a, c, d</sup>, [Wahyuningtyas E.S.](#)<sup>c, e</sup>, [Nurani L.H.](#)<sup>f</sup>, [Hayati D.N.](#)<sup>a, b</sup>, [Ishijima T.](#)<sup>g</sup>, [Nakatani T.](#)<sup>h</sup>, [Sugama J.](#)<sup>h, i</sup>[📧 Save all to author list](#)<sup>a</sup> Department of Clinical Laboratory Science, Universitas Muhammadiyah Semarang, Semarang, Indonesia<sup>b</sup> Interdisciplinary Research Laboratory for Experimental Plasma Medicine (iPlasmed), Universitas Muhammadiyah Semarang, Semarang, Indonesia<sup>c</sup> Muhammadiyah Research Network for Plasma Medicine (M-Plasmed), Semarang, Indonesia<sup>d</sup> Department of Clinical Laboratory Technology, Universitas Aisyiyah Yogyakarta, Yogyakarta, Indonesia[View additional affiliations](#) ▾[📄 View PDF](#) [Full text options](#) ▾

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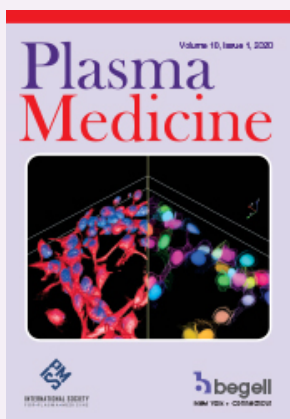
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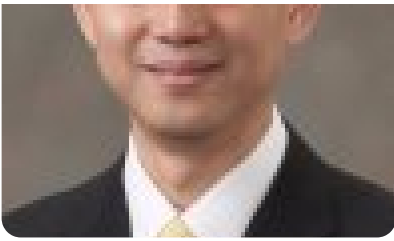
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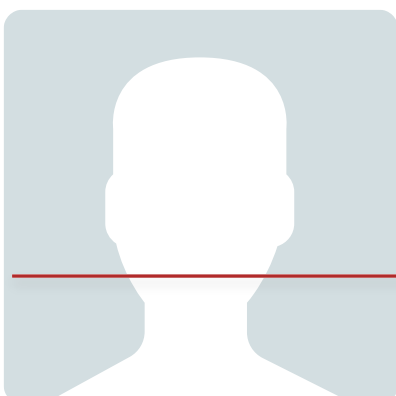
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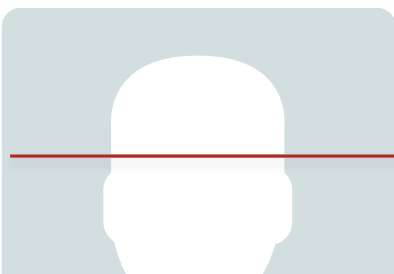
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# Volume 11, 2021 Issue 2

DOI: 10.1615/PlasmaMed.v11.i2

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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**

**Sri Darmawati,** Nasruddin Nasruddin, Gela Setya Ayu Putri,  
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Hayu Nurani, Defi Nurul Hayati, Tatsuo Ishijima, Toshio  
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pages 1-18

DOI: 10.1615/PlasmaMed.2021039083

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## **EFFICACY OF CONTACT-TYPE COLD ATMOSPHERIC PLASMA ON SKIN REJUVENATION FOR PERSONS WITH AGED SKIN**

Warumpa Suwannarat, Phannapat Intarit, Supaporn Pitiporn,  
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pages 19-28

DOI: 10.1615/PlasmaMed.2021037904

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## **EFFECTS OF DIRECT AND INDIRECT TREATMENT OF HUMAN CELLS WITH COLD ATMOSPHERIC PLASMA DEVICES**

Cian D. Madigan, Fiona O'Neill, Denis O'Sullivan, Darren F. Kavanagh, Liam O'Neill

pages 29-42

DOI: 10.1615/PlasmaMed.2021039616

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## **GROWTH COMPARISON BETWEEN LYMPHOCYTE BW5147 T CELLS AND EL4 T CELLS USING ATMOSPHERIC OXYGEN PLASMA IRRADIATION**

Sitti Subaedah, Haruka Uematsu, Nobuya Hayashi

pages 43-54

DOI: 10.1615/PlasmaMed.2021038540

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## **MULTIFUNCTIONAL DBD-BASED OZONE STERILIZER WITH ULTRASONIC CAVITATION FOR LOW-TEMPERATURE TREATMENT OF MEDICAL TOOLS**

Alina S. Lozina, I. E. Garkusha, S. A. Shypilov, P. M. Vorontsov, I. N. Bolduriev, Y. P. Gnidenko, A. V. Taran, O. G. Chechelnitckij

pages 55-61

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## **COLLAGEN COATING OF TITANIUM IMPLANTS USING NONTHERMAL PLASMA**

Liam O'Neill, Barry Twomey, Fei Tan, John O'Donoghue, John A. Hunt

pages 63-79

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dehui Xu, zeyu chen, rui feng, zifeng wang, xinying zhang, miao qi, Dingxin Liu

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Tatiana Vasilieva, Elena Nikolskaya, Nikita Yabbarov, Michael Vasiliev, Ekaterina Kudasova, Ekaterina Kochurova, Vladimir Myasnikov, Mariia Mollaeva, Margarita Chirkina, Maria Sokol

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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**

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# Efficacy of Contact-Type Cold Atmospheric Plasma on Skin Rejuvenation for Persons with Aged Skin

pages 19-28

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## ABSTRACT

The activation of T cells (EL4 and BW5147) was examined  
when they were sensitized with monoclonal antibodies against  
CD3/CD28 followed by irradiation with atmospheric oxygen