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*Olivia Avriyanti Hanafiah is the eldest of four children, was born in Medan, is married to Fajar Hasan Mursyid Lc, MA, and is the mother of two children, Maulaya Muhammad and Tasyfina Hannan. In 1997, she graduated from the Faculty of Dentistry at the Universitas Sumatera Utara. In 1999, she joined the USU Faculty of Dentistry as a lecturer. In 2004, she also graduated from the oral surgery program at Padjajaran University's Faculty of Dentistry. She became an expert in congenital malformations. In 2019, she also completed the doctoral program in dental science at the USU School of Dentistry Faculty. Olivia's current areas of study include oral wound healing, herbal medicine, and natural resources.*

## Publications

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2024

Jurnal internasional bereputasi

### **Ethanol extract of *Gracilaria* spp. Attenuates the inflammatory stage of oral mucosa wound healing: An in vivo study**

RACHMI FANANI HAKIM , FAKHRURRAZI , OLIVIA AVRIYANTI HANAFIAH , RINALDI IDROES , BINAWATI GINTING

2023

Jurnal internasional

### **Characterization of red algae (*Gracilaria verrucosa*) on potential application for topical treatment of oral mucosa wounds in *Rattus norvegicus***

OLIVIA AVRIYANTI HANAFIAH , RACHMI FANANI HAKIM , RINALDI IDROES , BINAWATI GINTING , FAKHRURRAZI

2023

Jurnal nasional terakreditasi

### **Antibacterial Activity Test of Gambas Fruit Extract (*Luffa Acutangula* (L.) Roxb.) against Bacterial Growth *Staphylococcus Aureus* In Vitro**

OLIVIA AVRIYANTI HANAFIAH

2023

Jurnal internasional bereputasi

### **Potential Effect of Red Algae Content on Fibroblasts and Collagen Type 3 in Oral Mucosa Wound Healing Diabetes-Induced *Rattus Norvegicus***

RINALDI IDROES , RACHMI FANANI HAKIM , BINAWATI GINTING , OLIVIA AVRIYANTI HANAFIAH , FAKHRURRAZI

2023

Jurnal internasional bereputasi

### **Potential Effect of Red Algae Content on Fibroblasts and Collagen Type 3 in Oral Mucosa Wound Healing Diabetes-Induced *Rattus Norvegicus***

OLIVIA AVRIYANTI HANAFIAH

2023

Prosiding seminar internasional

### **THE POTENTIAL OF SNAKEHEAD FISH (*Channa Striata*) EXTRACTS TO ACCELERATE WOUND HEALING IN THE MOUTH INJUR**

OLIVIA AVRIYANTI HANAFIAH

2023

Jurnal internasional

**THE EFFECTS OF THE COMBINATION OF ETHANOL BINAHONG LEAF (ANREDERA CORDIFOLIA) AND MOBE LEAF (ARTOCARPUS LAKOOCHA) EXTRACT GEL ON FIBROBLAST AND OSTEOCYTE PROLIFERATION IN WOUND HEALING**

OLIVIA AVRIYANTI HANAFIAH

2022

Jurnal internasional bereputasi

**THE EFFECTS OF THE COMBINATION OF ETHANOL BINAHONG LEAF (ANREDERA CORDIFOLIA) AND MOBE LEAF (ARTOCARPUS LAKOOCHA) EXTRACT GEL ON FIBROBLAST AND OSTEOCYTE PROLIFERATION IN WOUND HEALING POST TOOTH EXTRACTION SOCKET ON WISTAR RATS (RATTUS NORVEGICUS)**

OLIVIA AVRIYANTI HANAFIAH , DENNY SATRIA , NAZLINIWATY

2022

Jurnal internasional bereputasi

**THE EFFECTS OF THE COMBINATION OF ETHANOL BINAHONG LEAF (ANREDERA CORDIFOLIA) AND MOBE LEAF (ARTOCARPUS LAKOOCHA) EXTRACT GEL ON FIBROBLAST AND OSTEOCYTE PROLIFERATION IN WOUND HEALING POST TOOTH EXTRACTION SOCKET ON WISTAR RATS (RATTUS NORVEGICUS)**

OLIVIA AVRIYANTI HANAFIAH , NAZLINIWATY , DENNY SATRIA

2020

Jurnal internasional

**The effectiveness of the use of plastic wrapping on dental unit work desks on the number of bacterial colonies in Department of Oral and Maxillofacial Surgery, Faculty of Dentistry, University of North Sumatra (USU)**

OLIVIA AVRIYANTI HANAFIAH

2020

Jurnal internasional bereputasi

**Formulation and evaluation of binahong leaves extract gel on wound healing of the palatal mucosa**

TRIMURNI ABIDIN , OLIVIA AVRIYANTI HANAFIAH

2018

Jurnal internasional bereputasi

**Wound healing activity of binahong (Anredera cordifolia (Ten.) Steenis) leaves extract towards NIH-3T3 fibroblast cells**

OLIVIA AVRIYANTI HANAFIAH , MARLINE NAINGGOLAN , TRIMURNI ABIDIN , SYAFRUDDIN ILYAS

2018

Jurnal internasional

**The Role of TGF Beta 1 and PDGF BB in Wound Healing of the Palate**

OLIVIA AVRIYANTI HANAFIAH , TRIMURNI ABIDIN , MARLINE NAINGGOLAN , SYAFRUDDIN ILYAS

2017

Artikel ilmiah

**Penatalaksanaan Sialolithiasis Kelenjar Submandibula dengan Pembedahan (Laporan Khusus)**

OLIVIA AVRIYANTI HANAFIAH

2017

Jurnal nasional terakreditasi

**ASSESSMENT OF PUSHBACK Z-PLASTY METHOD ON VELOPHARYNGEAL FUNCTION AND ARTICULATION IN POST-RECONSTRUCTION CLEFT PALATE PATIENTS IN HARAPAN KITA CHILDREN AND MATERNITY HOSPITAL JAKARTA**

OLIVIA AVRIYANTI HANAFIAH

2017

Jurnal internasional

# **ACTIVITY OF BINAHONG (*Anredera cordifolia* (Ten.) Steenis) ETANOL EXTRACT TOWARDS PROLIFERATION OF NIH-3T3 FIBROBLAST CELLS**

OLIVIA AVRIYANTI HANAFIAH

2017

Jurnal internasional bereputasi

## **Quantity differences of secondary metabolites (Saponins, tannins, and flavonoids) from binahong plant extract (*Anredera cordifolia* (Ten.) Steenis) treated and untreated with colchicines that play a role in wound healing**

SYAFRUDDIN ILYAS , DIANA SOFIA HANAFIAH , EVA SARTINI BAYU , TRIMURNI ABIDIN , OLIVIA AVRIYANTI HANAFIAH , MARLINE NAINGGOLAN

2012

Jurnal nasional terakreditasi

## **USE OF BUCCAL FAT PAD AS PEDICLED GRAFT IN CLEFT PALATE SURGERY**

OLIVIA AVRIYANTI HANAFIAH

2012

Jurnal nasional terakreditasi

## **TEKNIK BEDAH MINIMAL INVASIF PADA PEMBEDAHAN SENDI TEMPOROMANDIBULAR KASUS INTERNAL DERANGEMENT**

OLIVIA AVRIYANTI HANAFIAH

2010

Jurnal nasional terakreditasi

## **PENANGANAN PENDERITA APNEA TIDUR DAN KEBIASAAN MENDENGGUR**

OLIVIA AVRIYANTI HANAFIAH

## **Researches**

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2024

Riset Andalan Perguruan Tinggi dan Industri

## **INOVASI IR SIMULATOR PENCABUTAN GIGI OPEN-CLOSED METHOD UNTUK PENCAPAIAN KOMPETENSI PROFESIONALISME**

ENDANG SJAMSUDIN , OLIVIA AVRIYANTI HANAFIAH , MUHAMMAD RUSLIN

2022

## **KAJIAN MOLEKULER PENYEMBUHAN LUKA PALATAL DAN LUKA PASCA PENCABUTAN GIGI SETELAH PEMBERIAN GEL KOMBINASI EKSTRAK ETANOL DAUN BINAHONG (*ANREDERA CORDIFOLIA* (TEN.) STEENIS.) DAN DAUN MOBE (*ARTOCARPUS LACUCHA* BUCH.-HAM)**

OLIVIA AVRIYANTI HANAFIAH , NAZLINIWATY

## **Community Services**

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2019

### **Bulan Kesehatan Gigi Nasional 2019**

OLIVIA AVRIYANTI HANAFIAH

2019

### **Bulan Kesehatan Gigi Nasional**

OLIVIA AVRIYANTI HANAFIAH , ARIYANI DRG

## **Intellectual Property Rights**

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2025

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## **Buku Saku: Pengidap Hipertensi Jangan Asal Cabut Gigi!**

OLIVIA AVRIYANTI HANAFIAH , ALYA SALSABILA HARAHAP , HANNA ELFRIDA RENITA NABABAN , I MADE DHARMA CITRA`S , NOFRY MASTA GRATIA SINAGA

2025

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### **Diabetes Melitus : Emang Ada Hubungannya dengan Perawatan Gigi?**

OLIVIA AVRIYANTI HANAFIAH , YULIA FARAH NABILA BINTI YULIAFARTA , EDI WIJAYA , CRYSTHEVANY DAMERIA GIRSANG , FIDELIA SIRINGORINGO

2025

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### **Mengenal Penyakit Ginjal dan Manifestasi Oral Pasien Gagal Ginjal**

OLIVIA AVRIYANTI HANAFIAH , AUDRY TRACY MONICA SIMATUPANG , FREDERICK JOHANNES , HANIN NAFISAH , NUHA ATIKAH PUTRI

2025

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### **Antibiotik, Resistensi, dan Alergi Antibiotik di Kedokteran Gigi**

OLIVIA AVRIYANTI HANAFIAH , FATHIA RIZKY ADINDA , IQBAL HAFIZ FAHROMI , NUR HOLILA SIREGAR , YURIDA ANDRIANI PANE , NATASYA INDAH SURYA MANALU

2025

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### **Video Pembelajaran Pencabutan Gigi: Dampak dan Solusi Perawatan**

OLIVIA AVRIYANTI HANAFIAH , EKA MANGARANAP SETIATI PERMATASARI , RAIHAN HIDAYAT , BERLIANA CAHYA NINGHATI , PUTRI RANTHI SYAHRANI TOBING , ISMAH HASANAH

2025

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### **FARMAKOLOGI DALAM KEDOKTERAN GIGI**

OLIVIA AVRIYANTI HANAFIAH

2024

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### **Peran tembaga dan zat besi pada penyembuhan soket pasca ekstraksi gigi**

AFIFAH AYUNI. HG , RIZKIANI CAHYA PUTRI SINAGA , OLIVIA AVRIYANTI HANAFIAH

2024

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### **Peran Vitamin C Dalam Penyembuhan Soket Pasca Ekstraksi Gigi**

AFIFAH AYUNI. HG , OLIVIA AVRIYANTI HANAFIAH

2024

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### **Peranan Protein Dalam Penyembuhan Luka Pasca Pencabutan**

OLIVIA AVRIYANTI HANAFIAH , AFIFAH AYUNI. HG

2023

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### **Peran Asam Hialuronat Dalam Penyembuhan Luka**

AFIFAH AYUNI. HG , OLIVIA AVRIYANTI HANAFIAH

2023

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### **Teknik Pencabutan Gigi Komplikasi Dengan Metode Terbuka Dan Odontektomi**

AFIFAH AYUNI. HG , OLIVIA AVRIYANTI HANAFIAH

2023

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### **Video Pembelajaran Teknik Penjahitan Dan Tatalaksana Oroantral Communication**

OLIVIA AVRIYANTI HANAFIAH

2023

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### **SOP Standard Precaution Pemakaian APD Level 3 Sebagai Pencegahan**

# **Penularan Penyakit COVID-19, Hepatitis B, Dan HIV Pada Kedokteran Gigi**

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2020

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## **Pemeriksaan Intra Oral**

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2020

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## **PENATALAKSANAAN PASIEN SYNCOPE DI RUANG PRAKTEK DOKTER GIG**

OLIVIA AVRIYANTI HANAFIAH

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2020

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## **PEMERIKSAAN KLINIS EKSTRA ORA**

OLIVIA AVRIYANTI HANAFIAH

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