

# Dental Journal

Published quarterly per year

Majalah Kedokteran Gigi



- Antitumor activity of antisense oligonucleotide p45<sup>Skp2</sup> in soft palate carcinoma cell squamous in vitro
- Evaluation of local muscle soreness treatment with anterior bite splint made of soft putty impression material
- Unidentified angular recurrent ulceration responsive to antiviral therapy

# Dental Journal

Majalah Kedokteran Gigi

## EDITORIAL BOARD OF DENTAL JOURNAL (MAJALAH KEDOKTERAN GIGI)

SK: 166/H3.1.2/KD/2013

January 2<sup>nd</sup>– December 31<sup>st</sup>, 2013**Patron:**

Dean of Faculty of Dentistry Universitas Airlangga

**Advisors:**

Vice Dean I, Vice Dean II, Vice Dean III

**Chief Editor:**

**Udijanto Tedjosasonko, drg., Ph.D., Sp.KGA(K)**  
(Pediatric Dentistry – Universitas Airlangga)

**Editorial Boards:**

**Prof. R.M. Coen Pramono D, drg., SU., Sp., BM(K)** (Oral and Maxillofacial Surgery – Universitas Airlangga); **Prof. Dr. M. Rubianto, drg., MS., Sp.Perio(K)** (Periodontic – Universitas Airlangga); **Prof. Nairn Hutchinson Fulton Wilson, MSc., Ph.D., FDS** (Conservative Dentistry - University of Guy's Dental School, London); **Prof. W.J. Spitzer, DMD., MD** (Head Department of Cranio & Oral Maxillofacial Surgery Hamburg University, Germany); **Prof. Edward C. Combe, MSc., Ph.D., DDS** (Biomaterial – Minnesota University, U.S.A.); **Prof. Madya. H. AB. Rani Samsudin, DDS., FDSRC, AM** (Oral and Maxillofacial Surgery - University Sains, Malaysia); **Prof. Widowati Witjaksono, DDS., Ph.D** (Kulliyah of Dentistry, International Islamic University Malaysia); **Prof. Taizo Hamada, DDS., Ph.D** (Prosthodontic - Tohoku University, Japan); **Prof. Yukio Kato, DDS., Ph.D.** (Oral Bio Chemistry-University of Hiroshima, Japan); **Prof. Kozai Katsuyuki, DDS., Ph.D** (Pediatric Dentistry – University of Hiroshima, Japan); **Prof. dr. A.G.M. Tielens** (Medical Microbiology – University and Infections Diseases – Erasmus University Medical Centre, Rotterdam, The Netherlands); **Prof. Lakshman Samaranyake** (Oral Microbiology – The University of Hongkong); **Kok Van Kesel** (Medical Microbiology – University and Infections Diseases – Erasmus University Medical Centre, Rotterdam, The Netherlands); **Dr. Leslie Ang** (Restorative Dentistry – National Dental Centre of Singapore); **Prof. Dr. M. Suharsini, drg., MS., Sp.KGA** (Pediatric Dentistry - Universitas Indonesia); **Achmad Gunadi, drg., MS., Ph.D** (Prosthodontic - Universitas Negeri Jember)

**Managing Editors:**

**Prof. Dr. Arifzan Razak, drg., MSc., Sp.Pros** (Prosthodontics – Universitas Airlangga); **Prof. Dr. Latief Mooduto, drg., M.S., Sp.KG(K)** (Conservative Dentistry – Universitas Airlangga); **Prof. Dr. Mieke Sylvia M.A.R., drg., MS., Sp.Ort(K)** (Orthodontic – Universitas Airlangga); **Prof. Dr. Istiati Soehardjo, drg., MS** (Oral Biology – Universitas Airlangga); **Prof. Dr. Anita Yulianti, drg., M.Kes** (Dental Material – Universitas Airlangga); **Prof. Seno Pradopo, drg., SU., Ph.D., Sp.KGA** (Pediatric Dentistry – Universitas Airlangga); **Prof. Dr. Diah Savitri Ernawati, drg., M.Si., Sp.PM(K)** (Oral Medicine – Universitas Airlangga); **Prof. Thalca I. Agusni, drg., MHPed., Ph.D., Sp.Ort(K)** (Orthodontic – Universitas Airlangga); **Dr. R. Darmawan Setijanto, drg., M.Kes** (Dental Public Health – Universitas Airlangga); **Dr. Elly Munadzirah, drg., MS** (Dental Material – Universitas Airlangga); **Priyawan Rachmadi, drg., Ph.D** (Dental Material – Universitas Airlangga); **Dr. Retno Pudji Rahayu, drg., M.Kes** (Oral Biology – Universitas Airlangga); **Dr. Eha Renwi Astuti, drg., M.Kes** (Dental Radiology – Universitas Airlangga); **Bagus Soebadi, drg., MHPed., Sp.PM** (Oral Medicine – Universitas Airlangga); **Endang Pudjirachani, drg., MS., Sp.Pros** (Prosthodontic – Universitas Airlangga); **Markus Budi Rahardjo, drg., M.Kes** (Oral Biology – Universitas Airlangga); **Dr. Susy Kristiani, drg., M.Kes** (Oral Biology – Universitas Airlangga); **Dr. Ira Widjiastuti, drg., M.Kes., Sp.KG** (Conservative Dentistry – Universitas Airlangga); **Ketut Suardita, drg., Ph.D., Sp.KG.** (Conservative Dentistry – Universitas Airlangga); **Sianiwati Goenharto, drg., MS** (Orthodontic – Universitas Airlangga); **Devi Rianti, drg., M.Kes** (Dental Material – Universitas Airlangga); **Dr. Chiquita Prahasanti, drg., Sp.Perio(K)** (Periodontic – Universitas Airlangga); **Rostiny, drg., M.Kes., Sp.Pros(K)** (Prosthodontic – Universitas Airlangga); **An'nissha Chusida, drg., M.Kes** (Oral Biology – Universitas Airlangga); **Eric Priyo Prasetyo, drg., Sp.KG** (Conservative Dentistry – Universitas Airlangga); **Els Sunarsih Budipramana, drg., MS., Sp.KGA(K)** (Pediatric Dentistry – Universitas Airlangga); **Dr. Hendrik Setiabudi, drg., M.Kes** (Oral Biology – Universitas Airlangga); **Otty Ratna Wahyuni, drg., M.Kes** (Dental Radiology – Universitas Airlangga); **Anis Irmawati, drg., M.Kes** (Oral Biology – Universitas Airlangga); **Yulianti, drg., M.Kes** (Oral Biology – Universitas Airlangga); **Retno Palupi, drg., M.Kes** (Dental Public Health – Universitas Airlangga); **Eka Augustina, drg., Sp.Perio** (Periodontica – Universitas Airlangga); **Febriastuti, drg., Sp.KG** (Conservative Dentistry – Universitas Airlangga); **Mega M. Puteri, drg., Sp.KGA** (Pediatric Dentistry – Universitas Airlangga)

**Administrative Assistant:**

Novi Dian Prastiwi (Faculty of Dentistry – Universitas Airlangga)

Thanks to editor in duty of Dental Journal (Majalah Kedokteran Gigi) Volume 46 Number 1 March 2013:

**Dr. Retno Indrawati, drg., MSi.** (Oral Biology – Universitas Airlangga)**Dr. Indah Listiana, drg., M.Kes.** (Oral Biology – Universitas Airlangga)**Wisnu Setyari, drg., M.Kes.** (Oral Biology – Universitas Airlangga)**Dr. Ira Arundina, drg., M.Kes.** (Oral Biology – Universitas Airlangga)**Editorial Address c/o:**

Fakultas Kedokteran Gigi Universitas Airlangga  
Jln. Mayjen. Prof. Dr. Moestopo No. 47 Surabaya 60132, INDONESIA  
Telp. (062-31) 5039478/5030255. Fax. (031) 5039478/5020256  
E-mail: dental\_journal@yahoo.com Website: www.journal.unair.ac.id

Accredited No. 56/DIKTI/Kep/2012

Cover photo purchased from: www.fotolia.com  
Invoice number: 205162250 -204225738

# Dental Journal

Majalah Kedokteran Gigi

## CONTENTS

	<i>Page</i>
1. Patient's expectation on communication performances community of Dental Health Services providers located in urban and rural area <b>Taufan Bramantoro and Ninuk Hariyani</b> .....	1-4
2. Changes in setting time of alginate impression material with different water temperature <b>Decky J. Indrani and Niti Matram</b> .....	5-8
3. Bactericidal and cytotoxic effects of <i>Erythrina fusca</i> leaves aquadest extract <b>Janti Sudiono, Ferry Sandra, Nadya Saputri Halim, Timotius Andi Kadrianto and Melinia..</b>	9-13
4. The role of inducible Nitric Oxide Synthase in teeth periapical lesions immunopathogenesis caused by <i>Enterococcus faecalis</i> <b>Tamara Yuanita, Latief Mooduto and Kuntaman</b> .....	14-17
5. Antitumor activity of antisense oligonucleotide p45 <sup>Skp2</sup> in soft palate carcinoma cell squamous in vitro <b>Supriatno, Sartari Entin Yuletnawati and Iwa Sutardjo Rus Sudarso</b> .....	18-22
6. Evaluation of local muscle soreness treatment with anterior bite splint made of soft putty impression material <b>Harry Laksono dan Sherman Salim</b> .....	23-29
7. Unidentified angular recurrent ulceration responsive to antiviral therapy <b>Rahmi Amtha and Siti Aliyah Pradono</b> .....	30-34
8. The inhibition of malignant epithelial cells in mucosal injury in the oral cavity of strains by pomegranate fruit extract ( <i>Punica granatum linn</i> ) through Bcl-2 expression <b>Sri Hernawati</b> .....	35-38
9. Shear strength of orthodontic bracket bonding with GIC bonding agent after the application of CPP-ACPF paste <b>Melisa Budipramana, Thalca Hamid and Sianiwati Goenharto</b> .....	39-44
10. Hemolysin activities as virulence factor of <i>Enterococcus faecalis</i> isolated from saliva and periapical abscess (gene detection by PCR) <b>Dewa Ayu N.P.A, Sari Dewiyani and Dessy Sulistya Ashari</b> .....	45-49
11. Effect of <i>Citrus aurantifolia swingle</i> essential oils on methyl mercaptan production of <i>Porphyromonas gingivalis</i> <b>Anindya Prima Yusinta, Ivan Arie Wahyudi and Anne Handrini Dewi</b> .....	50-54