



To Commemorate The 65th Anniversary of
The Faculty of Dentistry
Universitas Gadjah Mada,
Yogyakarta, Indonesia

The International Symposium on Oral and Dental Sciences

Current Clinical Approaches in The
Prevention of Caries and It's Implication
Advanced Clinical Approaches for The Prevention
of Dental Caries and Implicated Diseases

PROGRAM BOOK

January, 17th - 19th, 2013
Royal Ambarrukmo Hotel Yogyakarta

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LIST OF ORAL PRESENTERS
INTERNATIONAL SYMPOSIUM ON ORAL AND DENTAL SCIENCE
YOGYAKARTA, JANUARY, 17-19th, 2013

No.	AUTHOR	DATE/TIME	ROOM	TITLE
O-01	NUR AZIZAH	JANUARY, 17 th , 2013 (13.30-13.40)	SRIMANGANTI	COMPLEX ESTHETIC RESTORATION OF FOUR MAXILLARY ANTERIOR TEETH USING COMPOSITE RESIN AND PORCELAIN FUSED TO METAL WITH FIBER POST
O-02	DWI WARNA AJU FATMAWATI	JANUARY, 17 th , 2013 (13.40-13.50)	SRIMANGANTI	CANTILEVER BRIDGE AS ESTHETIC RSTORATIVE IN SUBJECT OF POST ENDODONTIC TREATMENT
O-03	TUNJUNG NUGRAHENI	JANUARY, 17 th , 2013 (13.50-14.00)	SRIMANGANTI	RESTORATION USING PORCELAIN FUSED TO METAL CROWN WITH FIBER CLEAR POST IN MAXILLARY CENTRAL INCISOR AFTER APEXIFICATION AND EXTRUSION
O-04	AGUSTIN WULAN SUCI D	JANUARY, 17 th , 2013 (14.00-14.10)	SRIMANGANTI	REVIEW: PYRIDINOLINE CROSS LINK AS BIOMARKER ALVEOLAR BONE DESTRUCTION
O-05	NUNUK PURWANTI	JANUARY, 17 th , 2013 (14.10-14.20)	SRIMANGANTI	POSSIBILITY OF RAT INSISIVA AS A MODEL PERIODONTITIS
O-06	SUHARTINI	JANUARY, 17 th , 2013 (14.20-14.30)	SRIMANGANTI	THE EFFECT OF WEAR PARTICLES FROM JOINT PROTHESES MATERIALS TO BONE CELLS NUMBER
O-07	SRI BUDI BARUNAWATI	JANUARY, 17 th , 2013 (15.15-15.25)	SRIMANGANTI	THE DIFFERENCE OF SHEAR BOND STRENGTH OF FIXED PARTIAL DENTURE REPAIR BETWEEN HYBRID AND FLOWABLE COMPOSITES RESINS (RESEARCH LABORATORY ON PORCELAIN SURFACE)
O-08	DEWI KRISTIANA	JANUARY, 17 th , 2013 (15.25-15.35)	SRIMANGANTI	INFLUENCE TEST OF <i>Anacardium occidentale</i> LEAF EXTRACT WITH VARIOUS CONCENTRATION USED AS DENTURE CLEANSER ON THE GROWTH OF <i>Streptococcus mutans</i>
O-09	TUTUT PRABANTARI ANINDYAJATI	JANUARY, 17 th , 2013 (15.35-15.45)	SRIMANGANTI	THE EFFECT OF CASHEW STEM BARK EXTRACT CONCENTRATION IN MOUTHWASH TO FIBROBLAST PROLIFERATION IN WOUND HEALING (<i>in vivo</i>)
O-10	MIRNA FEBRIANI	JANUARY, 17 th , 2013 (15.45-15.55)	SRIMANGANTI	ALGINATE IMPRESSION MATERIAL AND ALGINAT IMPRESSION MATERIAL PLUS CASSAVA STARCH (MICROSCOPIC ANALYSIS)
O-11	DYAH IRNAWATI	JANUARY, 17 th , 2013 (15.55-16.05)	SRIMANGANTI	EFFECT OF COPPER (II) CHLORIDE CONCETRATION TOWARDS COPPER IONS SORPTION ON NATURAL ZEOLITE FROM WONOSARI
O-12	HARSINI	JANUARY, 17 th , 2013 (16.05-16.15)	SRIMANGANTI	ANTI INFLAMMATORY ACTIVITY OF ETHANOLIC EXTRACT OF CASHEW NUT STEAM BARK (<i>Anacardium occidentale</i> L) ON RAT PAW ODEME INDUCTION WITH CARAGENAAN
O-13	HENI SUSILOWATI	JANUARY, 18 th , 2013 (11.00-11.10)	SRIMANGANTI	THE DNA DAMAGE ON HUMAN EPITHELIAL CELL LINE INDUCED BY ORAL COMMENSAL BACTERIUM <i>Streptococcus sanguinis</i>
O-14	INNAYATI OKTIANA	JANUARY, 18 th , 2013 (11.10-11.20)	SRIMANGANTI	MICRONUCLEUS FREQUENCY OF THE BUCCAL EPITHELIAL CELLS ON PESTICIDE-EXPOSED FEMALE FARMERS IN DIENG VILLAGE CENTRAL JAVA
O-15	TETIANA HANIASTUTI	JANUARY, 18 th , 2013 (11.20-11.30)	SRIMANGANTI	IMMUNOHISTOCHEMICAL STUDY OF CLASS II MAJOR HISTOCOMPATIBILITY COMPLEX EXPRESSING CELLS OF HUMAN DENTAL PULP WITH CARIOUS LESIONS
O-16	JUNI HANDAJANI	JANUARY, 18 th , 2013	SRIMANGANTI	TEMU PUTIH (<i>Curcuma zedoaria</i> Rosc.,

THE EFFECT OF *Anacardium occidentale* LEAF EXTRACT WITH VARIOUS CONCENTRATIONS USED AS DENTURE CLEANSER ON THE GROWTH OF *Streptococcus mutans*

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Stick of microbial on the surface of dentures can cause proliferation of bacteria colony so it cause the formation of plaque that can cause bad smell in mouth and *denture stomatitis*. There is evidence that *denture stomatitis* also cause by another species biofilm, that is *Streptococcus mutans*. This study was aimed at observing the differences of *Anacardium occidentale* leaf extract efficacy as denture cleanser in concentration of 25%,50%, 75% for 45 minutes on the growth of *S. mutans*. The samples were made from heat-cured resin acrylic plates with dimension of 10 x 10 X 1 mm. Heat-cured resin acrylic plates were immersed in *Anacardium occidentale* leaf extract with concentration of 25%,50%, 75% for 45 minutes which each concentration contained of 8 samples, and heat-cured resin acrylic plate were immersed in the aquades as control. To observe the inhibiting force of *Anacardium occidentale* leaf extract on the growth of *S. mutans*, it was tested using spectrometer. The data were analyzed using one way ANOVA. The result showed that there were significant differences ($p < 0.05$). Then the data were analyzed using LSD test and it showed that there were significant differences on heat-cured resin acrylic plates immersed in *Anacardium occidentale* leaf extract with concentration of 25%,50%, 75% for 45 minutes on the growth of *S. mutans*. In conclusion, *Anacardium occidentale* leaf extract in concentration of 75% used to immerse the acrylic plate for 45 minutes effectively inhibited the growth of *S. mutans*.

Key words: heat cured acrylic, *Anacardium occidentale* leaf, *S.mutans*

THE EFFECT OF CASHEW STEM BARK EXTRACT CONCENTRATION IN MOUTHWASH TO FIBROBLAST PROLIFERATION IN WOUND HEALING (*in vivo*)

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Cashew stem bark has many advantages; one of them is anti-inflammatory effect. The contents of cashew stem bark which give the anti-inflammatory effect are alkaloid compounds, flavonoids, tannin, saponin, and both anakardat acid and kardol sap. The purpose of this research is to know the effect of cashew stem bark concentration extract as a mouthwash to the fibroblasts' cell proliferation in the wound healing process.