

PROGRAM AND PROCEEDING BOOK

The 3rd ASEAN Plus and Tokushima Joint International Conference

long. W. Weekswat, M. R.

Theme:

"Strategic Achievement of Oral Sciences and Promotion of Quality of Life and Professional Education for Oral Hygienists by Using Information and Communication Technology"



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Pitter L. Bosh, SKG Abdul Majid Saputra cen reported that the osteoporosis due to estrogen deficiency can be prevented $b_{\rm Y}$

reatment with agent.

Purpose: The aim of this research was to examine effectiveness of Penaeus monodon ose. The aim of this research was a great further of alveolar bone resorption in possible waste supplementation to prevent further of alveolar bone resorption in porosis wistar rats which induced by ovariectomized.

osteoporosis wistar rats which induced by was held in laboratory. The experiment used by Method. This experimental study was held in laboratory. test only control group design. Fifty wistar rats were dividing into five groups, post test only control group using the first positive control group (ovariectomized to group as a negative control group (ovariectomized to group as a negative control group (ovariectomized group (o R0 group as a negative control group, ovariectomized and given standart feed diet), K2 as positive control group (ovariectomized and and given standart feed diet, N2 as person and given standart feed diet, N2 as person grown standart feed diet, N2 as person grown g ven Penetus monotain statute standart standart ded diet), K3 groups (ovariectomized and given 0.7mg/gBW/day Penetus monodon shrimp shell waste mixed with standard feed diet), K4 group (ovariectomized and given 1.1mg/gBW/day Peneaus monodon shrimp shell waste mixed with standart feed diet). After treatments on the 13th weeks, all groups of rats were euthanazied and the height of alveolar mandibula bone measured through intraoral radiographic result by calipers. All of the datas were analyzed by one way ANOVA and LSD test

Results Result of this research showed the height of alveolar mandibula bone in K1 up were lowest than another groups. The height of mandibula bone in K1, K2. K3, K4 groups was significantly lower compared by K0 group. K2, K3, K4 groups was significantly higher compared by K1 group.

sion: Osteoporosis induced by ovariectomized caused decrease alveolar andibular bone height in wistar rats. Penaeus monodon shrimp shell waste entation is effective to preventing futher of alveolar bone resorption in rats which induced by ovariectomized.

Keywords: Penaeus monodon, osteoporosis, ovariectomized, alveolar mandible bone resorption.

Poster 11 Antioxidant In Ortodontic Treatment

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free radicals are unpaired and highly reactive molecules. Examples of free radicals Superixide (O2-), Hydrogen Peroxide (H₂O₂), Hydroxyl Radical (OH) and glet Oxygen (O-2), Hydrogen Peroxide (H₂O₂), Hydroxyl Radical (O-1), glet Oxygen (O-2), which are Reactive Oxygen Species (RO5). These molecules are described to the clothese form had been provided to the control of the control Il take electrons from biologic molecules, such as DNA, proteins, and membrane logic molecules, such as DNA, proteins, and membrane barefore, it's necessary to take a biological damage and trigger various diseases. herefore, it's necessary to take any antioxidant compounds from outside the body had can neutralize free radicals. Orthodontic treatment is a basic process of

of teeth based on an inflammatory reaction. A phenomenation of teeth based on an inflammatory reaction. A phenomenation of teeth based on an inflammatory reaction. A phenomenation of teeth based on an inflammatory reaction. A phenomenation of teeth based on an inflammatory reaction. penodeling of techniques of the control of the cont periodidant treatment treatment. Studies need to be done a dentist's involver antioxidant treatment. nanantioxidant treatment.

Keywords; Antioxidant, ROS, Orthodontic Treatment.

Poster 12
Waste Materials From Shrimp Sheels As A Source Of Nano Chitosan (Laboratory Experimental)

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Chitosan known as a material that has antibacterial properties. One of the biggest sources of chitosan contained on the waste materials from shrimp shells.

Objective: The development of nanotechnology can produces nanochitosan that more effective as an antibacterial materials.

Materials and methods: Waste materials of shrimp shells washed and dried, soaked in a solution of HCl and filtered. Result of filtered, dropped with NaOH liquids until a precipitate is formed and then filtered again. After that dried with tanurisation for 6 hours

Results: Natural of nanochitosan materials can derived from shrimp shells. Conclusion: Shrimp shells as a source of nanochitosan that can be produced easily and naturally

Keywords: Shrimp shells, Nanochitosan.

Correlation Of The Amount Of Salivary Neutrophils And Expression Of Interleukine 8 (IL-8) In Severe Early Childhood Caries

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Background: Early Childhood caries is a very serious health problem because it is chronic infection. chronic infectious disease that is infectious. Dental caries begins after the printing from and disease that is infectious. grow and develop on the tooth surface very quickly and progressive. In re

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INTERNATIONAL SEMINAR

The 3rd ASEAN Plus and Tokushima Joint International Conference







Wiwekowati

As

Poster Presenter

Antioxidant In Ortodontic Treatment

Certified by PB PD No. SKP-I/150/PB PDGI/XI/20

Participant : 5.5 Credit Po Oral Presenter : 3 Credit Po

Poster Presenter Moderator

Committee Credit Po Jury of Poster Award

in The 3rd ASEAN plus and Tokushima Joint International Conference

Strategic Achievement of Oral Sciences and Promotion of Quality of Life, and Professional Education for Oral Hygienists by using Information and Communication Technology

> Held on December 4th- 5th, 2014 Makassar - Indonesia

Dean of Faculty of Dentistry, Hasanuddin University

Prof. Mansjur Nasir, DDS, PhD

Dean of Faculty of Dentistry, The University of Tokushima

Prof. Tetsuo Ichikawa, DDS, PhD

Ardo Sabir, DDS, M.Kes

- P8 Catechin Inhibition Toward The *S. mutans* Growth **Tri Purnami Dewi**Faculty of Dentistry Mahasaraswati Denpasar University, Denpasar, Indonesia
- P9 Human Beta Defensin Peptide Expression And Dental Caries Experience In Children

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- P10 Protection Effect Of *Penaeus monodon* Shrimp Shell Waste Suplementation To Alveolar Bone Resorption Of Osteoporosis Rats

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P11 Antioxidant In Ortodontic Treatment

Wiwekowati /

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P12 Waste Materials From Shrimp Sheels As A Source Of Nano Chitosan (Laboratory Experimental)

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- P13 Correlation Of The Amount Of Salivary Neutrophils And Expression Of Interleukine 8 (IL-8) In Severe Early Childhood Caries

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