### Dies Forum 2015

**The largest dental expo in Bandung**

**Dates:** September 18-19, 2015

**Location:** The TCC of Trans Luxury Hotel Bandung (Free Entrance)

### Short Lecture Abstract Books

The 56th Dies Natalis of Faculty of Dentistry Universitas Padjadjaran

### International Dental Scientific Conference & Expo

**Dates:** September 17-19th

**Location:** The Trans Luxury Hotel Bandung - Indonesia

Hotsis updates on Dental Science, Management & Education

### Exhibitors

- Medik Book Store
- Cookies
- COLTENE
- BETA Materials
- Putra Galuh Mandiri
- GNATUS
- Labora
- Dr. Bambang Tantra
- PT. Ultra
- PT. LMB
- Colgate
- KOBELER
- SETO
- Oxyfresh
- PT. Kirana
- Linkha Design
- Thomason Dental Centre
- Tharmakusuma
- Ameri-Dent
- Oral-B
- ClassOne
- Quintessence

---

**Below is the list of participating exhibitors:**

<table>
<thead>
<tr>
<th>Exhibitor</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medik Book Store</td>
<td>Cookies</td>
</tr>
<tr>
<td>COLTENE</td>
<td>BETA Materials</td>
</tr>
<tr>
<td>Putra Galuh Mandiri</td>
<td>GNATUS</td>
</tr>
<tr>
<td>Labora</td>
<td>Dr. Bambang Tantra</td>
</tr>
<tr>
<td>PT. Ultra</td>
<td>PT. LMB</td>
</tr>
<tr>
<td>Colgate</td>
<td>KOBELER</td>
</tr>
<tr>
<td>SETO</td>
<td>Oxyfresh</td>
</tr>
<tr>
<td>PT. Kirana</td>
<td>Linkha Design</td>
</tr>
<tr>
<td>Thomason Dental Centre</td>
<td>Tharmakusuma</td>
</tr>
<tr>
<td>Ameri-Dent</td>
<td>Oral-B</td>
</tr>
<tr>
<td>ClassOne</td>
<td>Quintessence</td>
</tr>
</tbody>
</table>
OB-008 The Antibacterial Activity of Myrmecodia pendens (Sarang-Semut) Against Streptococcus sanguis

Fajar Fatriadi, Dikdik Kurnia, Mieke Hemiawati Satari

1Department of Conservative Dentistry, Faculty of Dentistry, Universitas Padjadjaran
2Department of Chemistry, Fakultas of Mathematic and Natural Science, Universitas Padjadjaran
3Department of Microbiology Faculty of Dentistry, Universitas Padjadjaran
Jatinangor 45363, Indonesia

Background. Streptococcus sanguis is the cause of the formation of dental plaque pioneer who became the beginning of caries. Precautions to avoid the formation of plaque one of which is the use of mouthwash containing antibacterial substances. Over time, the use of medicinal plants that have antibacterial properties has been more and more. Myrmecodia pendens Merr & Perry (Sarang semut) is a kind of epiphytic plants that grow in the area of Papua. This plant has many health benefits and is known to contain flavonoids, tanins and tocopherol. Flavonoids and tanins belong to the class of polyphenolic compounds that have good antibacterial activity. Objectives. This study aims to determine whether there is an antibacterial effect of methanol extracted Myrmecodia pendens Merr & Perry compare between Chlorhexidine gluconate and Povidone iodine on the growth of Streptococcus sanguis ATCC 10566. Methods. The process begins with the extraction Myrmecodia pendens Merr & Perry with socletation method using methanol solvent. Phytochemical studies on test results showed that the methanol extract of Myrmecodia pendens Merr & Perry containing phenolic, tanins, flavonoids, terpenoids. This study bacteria test using microdilution method by measuring the Minimum Inhibitory Concentration (MIC) of the methanol extract of the Myrmecodia pendens Merr & Perry against Streptococcus sanguis ATCC 10566 with positive controls used are the Standard Golden drug Chlorhexidine gluconate, Povidone iodine and negative controls were methanol. Results. The results showed that the MIC values of methanol extract of the Myrmecodia pendens Merr & Perry is 31.25 ppm, Povidone iodine is 31.25 ppm and Chlorhexidine gluconate 0.49 ppm. Conclusion. The conclusion of this study that the methanol extract of the Myrmecodia pendens Merr & Perry has an antibacterial effect on the growth of Streptococcus sanguis ATCC 10566 same as Povidone iodine but lower than Chlorhexidine gluconate.

Keywords: Myrmecodia pendens Merr & Perry, Antibacterial activities, Streptococcus sanguis