

# IFEAT Indonesia Study Tour

Highlights from the region's plantations and ingredient production sites

Peter Greenhalgh, International Federation of Essential Oils and Aroma Trades; photos courtesy of Sandeep Tekriwal, Van Aroma







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**1** Forty industry colleagues from 19 countries (pictured), accompanied by 20 representatives of the local essential oils industry, took part in the International Federation of Essential Oils and Aroma Trades (IFEAT) Indonesia Study Tour, July 3–10, 2011. Sandeep Tekriwal (Van Aroma) and Feri Agustian Soleh (Indarro Aromatik), alongside other members of the local organizing committee (LOC), provided detailed comments and analysis throughout the tour.

**2** A view of a citronella field.

**3** The first four days were based in Jakarta in West Java. On Monday participants visited the plantation and distillery of PT. Djasula Wangi at Sukabumi, where they saw several crops, particularly citronella and patchouli. (Pictured: A distillation unit at PT. Djasula Wangi)



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**4** Patchouli growing at P.T. Djasula Wangi.

**5** Piper betel leaf and citronella leaf on display at the Pavettia Atsiri Indonesia plantation.

**6** In the afternoon attendees visited the Indonesian Medicinal and Aromatic Crops Research Institute's experimental gardens and nutmeg plantation at Cicurug, Bogor, and heard about the intensive work being undertaken on nutmeg and its products. This was followed by a visit to a traditional nutmeg distillery in Ciherang, Bogor. (Pictured: Nutmeg crushing machine at Ballitro plantation)

**7** Nutmeg fruit at Ballitro plantation; Indonesia supplies 80% of the world's nutmeg oil requirements and exports about 350–400 tonnes of nutmeg oil per annum.

**8** Attendees learned about nutmeg distillation.

**9** A nutmeg distillation unit.

**10** Harvest at the Garut vetiver plantation; Tuesday was devoted to vetiver (*Chrysopogon zizanioides*). Following a long journey into the beautiful hills around Garut, the group visited a vetiver growing area and traditional distillery. This was run by a cooperative that also produced a range of vetiver products and handicrafts.

**11** A distillation site for vetiver in Garut.



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**12** Wednesday included a return to Bogor to PT. DaFa Teknoagro Mandiri, one of the leading companies producing plant seeds using tissue culture techniques, including patchouli and sandalwood plants.

**13** Attendees also went to PT. Indesso Aroma for a tour of its processing facilities at Cileungsi, Bogor. The plant produces molecular distilled products, natural extracts, encapsulation products, seasonings and aroma chemicals. This was followed by a tour of the recently constructed PT. Van Aroma facilities to view its operations and laboratory and compare and discuss the organoleptic properties of a number of natural oils and spices.

**14** Thursday morning saw another tour through magnificent countryside to visit the CV. Pavettia Atsiri Indonesia plantation and distillation facilities, which processes a range of products including citronella, patchouli (pictured), nutmeg, kaffir lime, clove and massoia bark.

**15** In the afternoon the group visited the facilities of PT. Haldin Pacific Semesta.

**16** Haldin's site featured technology capable of processing some 3,500 tonnes of raw materials to provide a wide range of ingredient products for the flavor and fragrance sector, as well as other industries.

**17** On Friday the group caught an early morning flight from Jakarta to Malang in East Java. Immediately on landing it set off to visit a patchouli plantation and distillation operation at Dampit, followed by the clove plantation and distillation unit at Sumbermanjing Wetan (pictured).

**18** The cananga distillation facilities at Kebonduren, Blitar, were visited on Saturday morning.

**19** The cananga distillation visit was followed by a visit to the kaffir lime distillation facilities at Keph, Tulungagung, and the plantations at Ngunut, Tulungagung.

**20** Attendees received a tour of the recently constructed P.T. Van Aroma facilities.





The group was immensely appreciative of the support and hospitality of all its Indonesian hosts in making an exhausting tour most educational and memorable. Particular thanks go to the IFEAT Local Organizing Committee, which besides arranging a wide diversity of organizations to be visited, arranged superb Indonesian rijsttafel meals, entertainment and a dare-to-eat the king of fruit—durian—session.

For more information on this tour and other activities of the organization, visit [www.ifeat.org](http://www.ifeat.org).