

End of September, year 25 Heisei

The End of Training Program of University of Indonesia's Students

The 3 months training program of the trainees from University of Indonesia, started from June this year, have reached its end. They returned to their country after they finished the training, and during that period they learnt about the high-speed composting system of the organic waste alongside with the microbial fermentation, also the experimental methods related.

In the future, aside from the cooperation between us will be continued, they will continue the experiment themselves after they returned to their country. We hope that there will be a great achievement.



Lectures in Indonesia

Analysis and overview of Hazaka Plant's compost manufacturing system, for research in the laboratory, was described in the lectures which conducted several times at the University of Indonesia and State University of Jakarta.

After we talked with the dean and professors of the State University of Jakarta, we came to the agreement of cooperation in constructing Hazaka Plant there.

After that we've visited some landfill areas in Jakarta in order to understand the current situation of waste disposal there.

Lectures at State University of Jakarta and University of Indonesia

Due to the idea of Hazaka Plant construction project in Indonesia by the State University of Jakarta, we did a lecture about the Hazaka Plant's system, the high-speed composting system just as requested by the university.

The participants of the lecture weren't only the students and university officials, but also the people from Jakarta government.

After the lecture, by the variety of questions, such as questions related to microorganisms that play an active part in the mechanism of fermentation, also about the practical expenses such as the fermentation time, we felt the height of awareness about the local garbage problem there.



Photo: The lecture in Indonesia and the meeting situation

Visiting The Landfill Areas

Most of the waste from daily life and market will be transported to the disposal site of Indonesia's largest landfill called Bantar Gebang.



Photo: The situation of transporting the waste

The photo below is Bantar Gebang disposal site. The vast of the area in total is 110ha, with the annual dumping amount about 2 million tons, and there are people referred as scavengers in the area, who live with cash from picking up metals and plastics waste.



Photo: Bantar Gebang Landfill Site



Photo: The situation of discharge to a river upper river basin

Without having to analyze the effluent, it was dark yellow in color. The odor is more ff-ed, and the downstream on the basin were contaminated topographically.

The moment we got out of the car, unbearable of manure and garbage was drifting. There was also a composting treatment plant in the vicinity, but it was of very small people.

The waste from daily life and market that are transported to Bantar Gebang is alright, but there are wastes from daily life dumped into the river as they are, for the recent years due to it, the flow of the river got hitched, and the water contaminated with dust overflow to Jakarta City Hall near seems to be occurred recently. Jakarta has been questioned strongly about this issue, and it seems that people want a solution as soon as possible. In addition, it is flowing in large amounts even (photo below) in dry season so the dust accumulates easily in the lower reaches, but it seems to increases further in the rainy season and becomes much more serious matter. The waste from the river were picked up using heavy materials, but the processing is like all other waste, processed in Bantar Gebang. By the way, like people who live by collecting the waste in Bantar Gebang, people who live by collecting waste on the river had been numerous.



Photo: People who pick waste on the river and waste collected by heavy material

According to the serious garbage problem in the Indonesia, we really hope that our Hazaka Plant system can be of use in the near future, because we think that our system is an effective solution.

Acceptance of Trainees from State University of Jakarta, Indonesia

At the same time with the end of lecturing in State University of Jakarta, we did a training acceptance for four students. We held the training of clean water sewage treatment methods that are being carried out in Japan, and the same program like the last training being held.

The training program :

- Training of high-speed fermentation composting of organic waste by Hazaka Plant
- Analysis of waste, soil, and crop
- Separation of microorganisms from various nature and culture
- Identification and phylogenetic of microorganisms
- Cloning technique



Photo: Welcoming dinner party and state of the training

Early November, year 25 Heisei

The End of Training Program of State University of Jakarta

The training for the trainees that had been held from this year's October had come to an end.

This time it was only for a month, a really short term, but they've managed to learn about the Hazaka Plant system, waste processing methods in Japan, and the basic experiments on microorganisms as much as possible.

By the time the realization of Hazaka Plant construction in Indonesia is being done, there is a possibility that what had been learnt will be operated there, so we are expecting them to maintain a nice environmental activity to prove that they really understand all the essences of the training.

