

PestLINK

A Quarterly Publication by Pest Control Association of Malaysia.

PEST SUMMIT 2014

**THE BEST, THE BIGGEST
THE MOST BRILLIANT.**



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UNITY IS STRENGTH!

Mr. Johnny JL Ooi

President of Pest Control Association Malaysia

Dear Honourable PCAM Members and Friends,

Happy morning! I am feeling good and great in writing my 3rd President message for Pest Link Issue 33. I hope all of you are in excellent health and businesses have been good so far for year 2014.

Pest Summit 2014

I am so glad, happy and feeling relief that Pest Summit 2014, the event of the year is over which turns out be very successful as it meets the **3 key Mission** - Vision of Being The Best, The Biggest and The Most Brilliant (3 Bs Vision).

The Best is because we're able to host PS14 in a 5-star convention centre and resort hotel. PCAM gave the best to all Participants, Exhibitors and we can see and felt that all of them were happy and impressed at the size and beauty of the venue. All went very well both with the Conference, the Exhibition and the Gala Dinner. We had over 1000 participants attended the 3 days Conference and visiting 39 Exhibition Booths. This Pest Summit 2014 is **The Biggest** in size and number of participants comparing to the previous 5 Pest Summit Hosted in Langkawi, Singapore, Bangkok, Bali and Boracay.

All invited Speakers presented superbly and the topics presented was in line with the theme, "Sustainable Pest Management in a Borderless Globalized World." The programme was **Brilliant** as it is a combination of the latest know-how and skill in the Pest Control Methodology and some insights of business skills. The credit goes to our honourable member and advisors, Professor Dr Lee Chow Yang who masterminded in getting the speakers and the programme. Ribuan Terima Kasih Prof. Dr Lee!

As I was also involved in the organising, I could feel the tremendous pressure and the amount of time and work spent in organising this event and ensuring the vision of the 3Bs are achieved. Ribuan Terima Kasih En Annuar the Organising Chairman and Team! All of you have made Malaysia and PCAM proud.

I must emphasise that the great success was due to teamwork and unity of all the Exco Members of which was demonstrated during the successful running of the Pest Summit 2014, Every Exco were given a tasks based on their Portfolio and all did execute it very well. Credit must also goes to our Project Manager, Mr Gan Wilson.

Other Activities

We're very honoured to be invited by Jabatan Pertanian, Bahagian Kawalan Racun Perosak on 25th September 2014 to attend a meeting at Putrajaya with Agenda Jawatankuasa Badan Konsultatif Racun Makhluk Perosak (JBKRMP). Nor Hisham (PCAM Hon. Secretary), Mohd Annuar (PCAM Deputy President) and myself attended the meeting. Good news is PAL/APAL is now renewable every 3-5 years. Result of exam is now within 12 days compared to 3 to 4 months. Advertisement of Pesticide do not require JIRP approval now, just notify them. In November 2014, we have conducted a PAL/APAL Training on 10th and 11th November 2014 and we have over 50 participants attended.

I would like to take this opportunity to extend my appreciation to each and everyone for the contribution to the success of the greatest Event of the Year, Pest Summit 2014. All of you made Malaysia proud, PCAM Boleh! Continue to support and contribute to PCAM.

Ribuan terima kasih!



FAIZAL BIN MOHD YUSOF

Vice President

(Communication), PCAM

"Together, we
will continue
to prosper
and succeed
for many years
to come."

Assalamualaikum and Salam 1 Malaysia.

First of all, I wish to thank all the members of PCAM for the support given to us in organizing all the programs in 2014. This year, we have undertaken several programs and the biggest program was the PEST SUMMIT 2014. Participated by over 1000 people around the world with the involvement of the prominent speakers from various local and international universities and organizations, we have highlighted PCAM to the eyes of the world.

As an NGO, PCAM has proven itself to its members and the society and to the government that we are capable to organize programs at the international level. With these kind of programs, we have strengthened our position and created good relations internationally with the others. We managed to promote PCAM as Malaysia's representative in the pest management industry to the world. Fellow members, there will be many more programs in the future. We aim to continue our impressive track record, and we are planning to organize additional programs on top of our current programs, all of which are beneficial for the members. We shall keep you updated with the program information in the future.

However, we realize that we need to work harder to boost our membership. At present, we have approximately 187 members and we need to have more members in order to strengthen our organization. We hope that our members can recruit more members in the future.

From my observation, we need to improve the involvement of bumiputra status companies in PCAM. More bumiputra companies joining PCAM will create a true spirit of 1Malaysia. PCAM can be the best platform for its members to spread its business opportunity not only in Malaysia but outside of Malaysia.

Lastly, I wish to express my utmost gratitude to our President, Mr Johnny Ooi, for his tireless efforts to lead PCAM to its present level. I also wish to thank all the exco members and all the associate members who have supported us throughout the year 2014. May PCAM continue to receive your full support in the future. Without the support and commitment of everyone, PCAM would not be able to achieve the success that we have achieved today.

Let us pray for the best for PCAM and hope that PCAM will continue to improve. Together, we will continue to prosper and succeed for many years to come.



3rd - 5th September 2014

The Best, The Biggest, The Most Brilliant.



This year, the Pest Control Association of Malaysia (PCAM) hosted the 6th Pest Summit, The Best, The Biggest, and Most Brilliant summit in recent years. An estimated 1000 people attended the event which featured 22 prominent speakers with pest management expertise from all around the world. This year's theme, "Sustainable Pest Management in a Borderless Globalized World" will explore some possible avenues to address the growing trend in the urban pest management industry.

Besides the technical aspects, the summit was also a platform to consider pest issues from different perspectives, in particular the environment and the fact that pests do not recognise international borders.

The three-day event was kick-started by the opening ceremony, which was officiated by guest-of-honour, Dato' Dr. James Dawos Mamit, Malaysian Deputy Minister of Natural Resources and Environment. Joining him for the ceremony

The 6th Pest Summit, The Best, The Biggest, and Most Brilliant summit in recent years.

were PCAM President, Johnny Ooi Juan Lee, and Pest Summit 2014 Organizing Chairperson, Mohd Anuar Ahmad.

Exhibitors and attendees learned about the latest

technological advancement in effective pest management, tested out new products, and met old friends whilst acquiring new acquaintances. Among the participating exhibitors were official event sponsors Sumitomo Chemical, Bayer and BASF. The 'Pestaurant', by Rentokil

Initial Malaysia, was a great

hit with the crowd present. As the name suggests, guests and attendees were treated to popular Malaysian delicacies that were garnished with edible insects.

Another highlight of the Pest Summit 2014 was the Gala Dinner, which was held in conjunction with PCAM's 20th Anniversary. The theme of the dinner was 'International Cultural Night' and it was held in the Grand Lagoon Ballroom of the Sunway Resort Hotel and Spa.

On the last day, the event was concluded by the Organizing Chairman's closing ceremony speech. The next Pest Summit was revealed to be held in Singapore and will be organised by the Singapore Pest Management Association in the year 2016.





"I would like to applaud the efforts of PCAM for deriving splendid achievements thus far and my heartiest CONGRATULATIONS on your 20th anniversary. I urge PCAM entomologists to engage themselves in research on the ecology of the Aedes mosquitoes."

Dato' Dr. James Dawos Mamit

Deputy Minister of Natural Resources and Environment, Malaysia



Modern looking Exhibition Booth by Agricultural Chemical Malaysia



Great entertainments at PEST Summit 2014



Dato' Dr. James visiting an exhibition booth.



Pest Summit 2014 Conference



Keynote speaker Prof. Nan Yao Su in action.



"Pest Summit 2014 marks another milestone in the history of our regional pest control fraternity. This year's theme, "Sustainable Pest Management in a Borderless Globalized World" will explore some possible avenues to address the growing trend in the urban pest management Industry."

Mohd Anuar Ahmad

Pest Summit 2014 Organizing Chairman



"This conference brings together practicing pest managers, academics and scientists from 12 different countries. I hope you will contribute your perspectives and your rich experiences towards developing sustainable pest management strategies in our borderless globalized planet."

Johnny Ooi Juan Lee, PCAM President



Bed Bugs Infestation: Understanding Public Perception

by Dr. Abdul Hafiz Ab Majid



Ever since the bugs have made their comeback, public health agencies become busier with numerous complaints from the citizens, worrying about the disease that the insect may carry along. Bed bugs are ectoparasites that live closely to people that required blood meal to complete its life cycle and reproduce (Jacobs, 2007). They are not known to transmit disease such as body lice but are a significance treated pest for public health importance (Harlan, 2013). Once they fed the blood, immediately they will crawl back into their hiding place. The flattened oval body shaped, makes things easier for them to hide in cracks and crevices in walls, in wooden furniture, seams of mattresses, in box springs and other places during daylight (Jacobs, 2007). Most people were aware with the existence of bed bugs but only a number of them managed the infestation using treatment methods that actually kills the insect. Due to public concern towards bed bugs infestation, a survey was carried out among Malaysian citizen/public. Therefore, a survey was included in this study by handing out questionnaire to the public. Approximately 100 respondents involved in public survey forms.

According to our survey, 87% of the public was aware of bed bugs but on gender basis, female are more likely aware of this insect when compared to male. The explanation for the results could be due to hypersensitivity or clinical reactions that easily arise on female if they get bitten by the insect (Cohen et al., 2010). Female often reported and seek for doctors whenever uncommon symptoms are found on their bodies. However male also reported if cutaneous reactions worsen which depends on their tolerance level against the biting insect. In comparison, most locals in Germany had problems in identifying bed bugs and although little were familiar with the bugs, there is no significant difference in gender (Seidel et al., 2013).

Among the three age group ranges of 18-20, 21-30 and 31-40, the adulthood are aware and able to identify better than the other groups. Bed bugs also can be considered as 'ancient' pest due to their existence for decades ago (Vaidyanathan & Feldlaufer, 2013) therefore only elders and people who learned biological studies of bed bugs can differentiate this pest with other arthropods. Back to the research study, the amount of elder respondents is very low while mostly in the age group of 21-30 years old were from well-educated family backgrounds.

In context of races in Malaysia, there was a significant difference in which ($\chi^2 = 1.649$, $df = 3$, $p = 0.648$) between Malay,



Meet the team: Dr. Abdul Hafiz lab members, Household & Structural Urban Entomology Laboratory, School of Biological Sciences, USM
From left (behind): Zulaikha, Wani, Fawwaz, Syahir, Faezah, Akmar, Adilla.
From left (front row): Hafiz, Dr. Hafiz (PI), Salbiah.

Indian, Chinese and other races on awareness level of bed bugs. Distribution between races was not normal since most of the total respondents participated in the survey consists of the natives compared to the other races. It can be reported that all races discovered the resurgence of bed bugs via self-experience or from their acquaintances as well as in previous studies (Seidel et al., 2013). Some of them learned the insect pest behavior through reading materials and mass media such as magazines, books, websites and television.

In contrast with knowledge on treatment level between both genders, only half of the respondents were able to handle infestations in their territories. Often people treat bed bug bites by applying creams, antibiotics and corticosteroids taken from the drug stores. This is due to no research proof stated that such remedies can cure the bites (Goddard & deShazo, 2009). Although it can be seen that majority can recognize the pest, but exposure on managing established infestations still maintained at low level. As such, results of treatment level knowledge between male and female showed no difference as well as in other countries (Seidel et al., 2013).

Common traditional methods in treating bed bugs were identified for all age groups such as applying neem leaves under beds to put away any insect pests, usage of ointments and herbs on treatment bites and many others where all the methods can be done by themselves. Educational programs on controlling infestations of bed bugs around the housing area are not emphasized either in schools or at higher education levels, which resulted in self-treatment methods to eradicate the pest problems (Seidel et al., 2013).

Treatment level knowledge was indifferent among the races due to typical control methods used by the locals in Malaysia. For example, treatment methods such as lay out infested mattress and furniture in the sun, soaking all infested items in hot water and using all-killed insect residual sprays were common among the Malaysians. In United States, people can easily kill all stages of the pest by heating clothes using dryer at minimum heat of 50° according to (Potter et al., 2008). Professionals were only required if the methods used were unsuccessful and heavy infestations occur in their houses. Several people would even consider removing furniture if there were signs of infestations to the items. This causes number of bed bugs to disperse even more to other places especially around the neighborhood area.

From the survey in public, it can be concluded that awareness level on bed bugs were high among the native females and young generations. Despite of identification of pest and their bites, majority of the citizens did not handle the infestations effectively. Therefore, biological of bed bugs and their harmfulness should be disseminated widely to public in order to stay alert to the pest around them. Proper management and controlling infestation of the pest also can be conducted via lessons on Integrated Pest Management (IPM) among Malaysian schools or forming voluntary clubs and societies in public for awareness street campaigns

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PCAM: OUR RESTLESS JOURNEY



From humble beginnings, PCAM has now become one of the frontrunner pest management associations in the region!

Control Association of Malaysia, or PCAM. After a lapse of seven years, in 1994, Mr Foo Fook Kheam, aka Wesco Foo, a popular supplier of the then leading brand of termiticide, had taken a personal interest in the developments of the infant PCO industry. Much like the late Dr Loo, Wesco Foo felt it was timely for the industry to progress to the next level and took upon himself to organize a lunch meeting among Klang Valley PCOs. Some 20 people were present at this meeting, held at the Eden Restaurant in Petaling Jaya.

By the conclusion of the meal, after views were sought around the long table, the group had agreed that Haji Hussein Kamal be the Protem President, and should gather around himself a Protem Committee to assist in the registration & formation of an association. This he did. The PCAM was registered on 3rd August 1994. Thus, it took an outsider, Wesco Foo, with his experience and foresight, to single-handedly

re-ignite interest in the formation of the PCAM. To him today, we owe our gratitude. PCAM would not have been where it is today had that the Association has managed to stand out in demonstrating that what can be achieved through perseverance and steadfastness, when all the members can stand united for the cause.



2014 PCAM ACTIVITIES

4-6 April, PAL/APAL Training, Bernas, Kuching, Sarawak
8-9 April, PAL/APAL Training, PCAM office, Kuala Lumpur
7 May, Food Safety Course, PCAM office, Kuala Lumpur
24 May, PCAM AGM, PCAM office, Kuala Lumpur
17 June, Program Business Licensing Electronic Support System (BLESS), PCAM office, Kuala Lumpur
24-25 June Integrated Pest Management Training Nibong Tebal Paper Mill Sdn Bhd, Nibong Tebal, Pulau Pinang

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As PCAM celebrates its 20th Anniversary, let us take a trip down memory lane and discover the roots of the beloved Association.

As we commemorate the 20th Anniversary of the Pest Control Association in Malaysia, let us take a look back into the history of this industry, as well as the events that led to the formation of the PCAM. Although the PCAM is 20 years old this year, the establishment of pest control companies in this country goes back longer. It would be fair to put on record that 50 years ago, in the period after World War 2, when Malayan society was settling down after the turmoil, we first saw companies being formed to provide a commercial service, that of managing pests. The awareness of what a pest could do to health and property, in all likelihood, motivated the residents of tropical Malaya and Singapore to search earnestly for a solution.

Moving forward 20 to 30 years, in post-independent Malaysia. The texture of the industry had changed considerably. For a start, there were more local companies, many being formed by people whose initial expertise was gained while working in one of the three giants. But they were small operations with a niche defined by geographical area, or speciality.

In 1987 however, things were to change. It was a watershed year. In March that year, a group of owners, leveraging on Rentokil's high profile, persuaded its sociable head, Mr Terry Kong, to organize a meeting at Rentokil's offices in Petaling Jaya, ostensibly to get to know each other better, and to discuss matters of wider importance to the industry.

Having attended Pest Control conferences in faraway places like the US, Mr Loo Kheng Kee was quick to appreciate the benefits of a cohesive industry. The late Dr Loo, it appears, was a pioneer, a man ahead of his time, who had seen the future, and saw no reason why it should not arrive quicker in Malaysia. However, the idea to form an association was to remain dormant for the next seven years in spite of the good intentions expressed at this meeting. What had been achieved, however, was a consensus that a trade grouping was overdue, and that this grouping be called the Pest

PCAM wishes to acknowledge these contributors who've help shaped the Association over the 20 years:

Dato' William Tay
from Moon Trading

Mr. Ng Yoke Foo
of Syarikat Perniagaan MS

Mr. Foo Fook Kham
of Wesco Agencies

Mr. Fong Kim Hon
of Foggers Marketing

Mr. Yim Thin Sin
of Dow Agrosiences

Dr Lee Nai Pin
of Bayer Environmental
Science

Prof Yap Han Heng

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Honorable Past Presidents



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Mohan Aparoo
President 2011 – 2013

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