

**Fig. 1** **a** Clear zone on LBG agar medium at pH 7.0 using culture supernatant of ID04-0555 strain, indicating hydrolysis of  $\beta$ -mannanase (0, 1, 2, 3, 4, and 5 day cultivation). **b–e** TLC analysis of hydrolysis products from various mannan substrates using secreted mannan degradation enzymes of ID04-0555, **b** LBG, **c** Ivory nut, **d** konjac glucomannan, and **e** porang potato. Standards (STD), mannose (M1), mannobiose (M2), mannotriose (M3), mannotetraose (M4), mannopentose (M5), mannohexose (M6), and galactose (G)





4th JASTIP Symposium  
"Biomass to Energy, Chemicals, and Functional Materials"  
3rd and 4th July 2017 NSTDA, Thailand



## Bio-refinery Strategy for Fuel Production in Indonesia

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# Networking and Linking of Culture Collection







The Asian Consortium for the  
Conservation and Sustainable  
Use of Microbial Resources

HOME

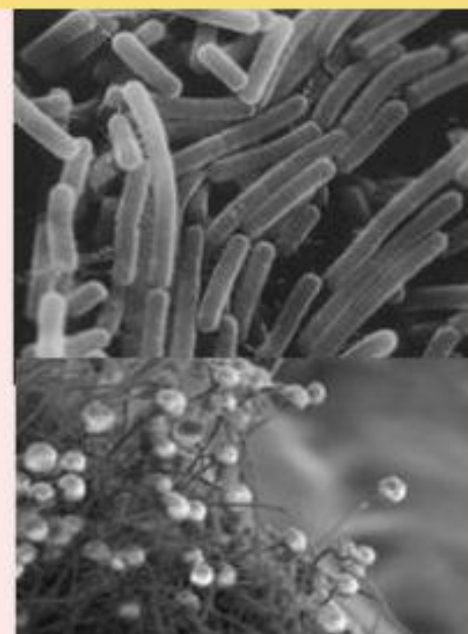
Annual Meeting

Task Forces

Other Activities

Me

*ACM promotes  
conservation and  
sustainable use of  
microbial resources  
in Asia*



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The Asian Consortium for the  
Conservation and Sustainable  
Use of Microbial Resources

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Annual Meeting

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Other Activities

Members

About ACM



*25 institutes  
from 14 countries/area  
participate in the ACM*



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# Annual Meeting

The ACM held annual meeting in autumn every year.

■ 14th (2017)

■ 13th (2016)

■ 12th (2015)

■ 11th (2014)

■ 10th (2013)

■ 9th (2012)

■ 8th (2011)

■ 7th (2010)

■ 6th (2009)

■ 5th (2008)

■ 4th (2007)

■ 3rd (2006)

■ 2nd (2005)

■ 1st (2004)

	DATE	HOST	VENUE
<u>14th</u>	Nov. 28-30, 2017	BCRC	Taipei
<u>13th</u>	Nov. 8-10, 2016	MTCC	Chandigarh, India
<u>12th</u>	Oct. 8-10, 2015	LIPI	Jakarta & Bogor, Indonesia
<u>11th</u>	Oct. 30-31, 2014	KCTC	Seoul, Korea
<u>10th</u>	Sep. 22, 2013	IMCAS	Beijing, China
<u>9th</u>	Oct. 25-27, 2012	BIOTEC	Chiang Mai, Thailand
<u>8th</u>	Oct. 10-11, 2011	MARDI	Malaysia
<u>7th</u>	Oct. 13 and 15, 2010	NBRC	Tokyo&Chiba, Japan
<u>6th</u>	Nov. 27-28, 2009	VTCC	Hanoi, Vietnam
<u>5th</u>	Oct. 29-30, 2008	KCTC and KACC	Seoul, Korea
<u>4th</u>	Nov. 22-23, 2007	LIPI and BPPT	Bogor, Indonesia
<u>3rd</u>	Oct. 31-Nov. 1, 2006	IMCAS	Beijing, China
<u>2nd</u>	Nov. 2-3, 2005	BIOTEC and TISTR	Bangkok, Thailand
<u>1st</u>	Oct. 9&15, 2004	NBRC	Tsukuba, Japan





■ Asian BRC Network (ABRCN)

■ Human Resource Development (HRD)

■ Management of Material Transfer (MMT)

■ Mutual Aid Association (MAA)

## Task Forces (TF)

ACM has established 4 Task Forces to discuss the specific items:

- Asian BRC Network (ABRCN)
- Human Resource Development (HRD)
- Management of Material Transfer (MMT)
- Mutual Aid Association (MAA)

The ACM prompts active discussions to settle Asian regions' opinions for international standardized measures in accordance with the CBD (Convention on Biological Diversity), NP (Nagoya Protocol) and ABS (Access and Benefit Sharing).

The ACM also encourages microbiology researches for the purposes of solving discover the balance between the global environmental problems and human welfare.





# **FORKOMIKRO**



**FORKOMIKRO = Communication Forum of  
Indonesia Culture Collection Curators  
established in 20th March 1996**

**The forum represents a medium for members:**

- 1. to exchange ideas and experiences**
- 2. to solve common problems on CC management**
- 3. to assist the authorities in the implementation of  
the CBD with respect to microorganisms**







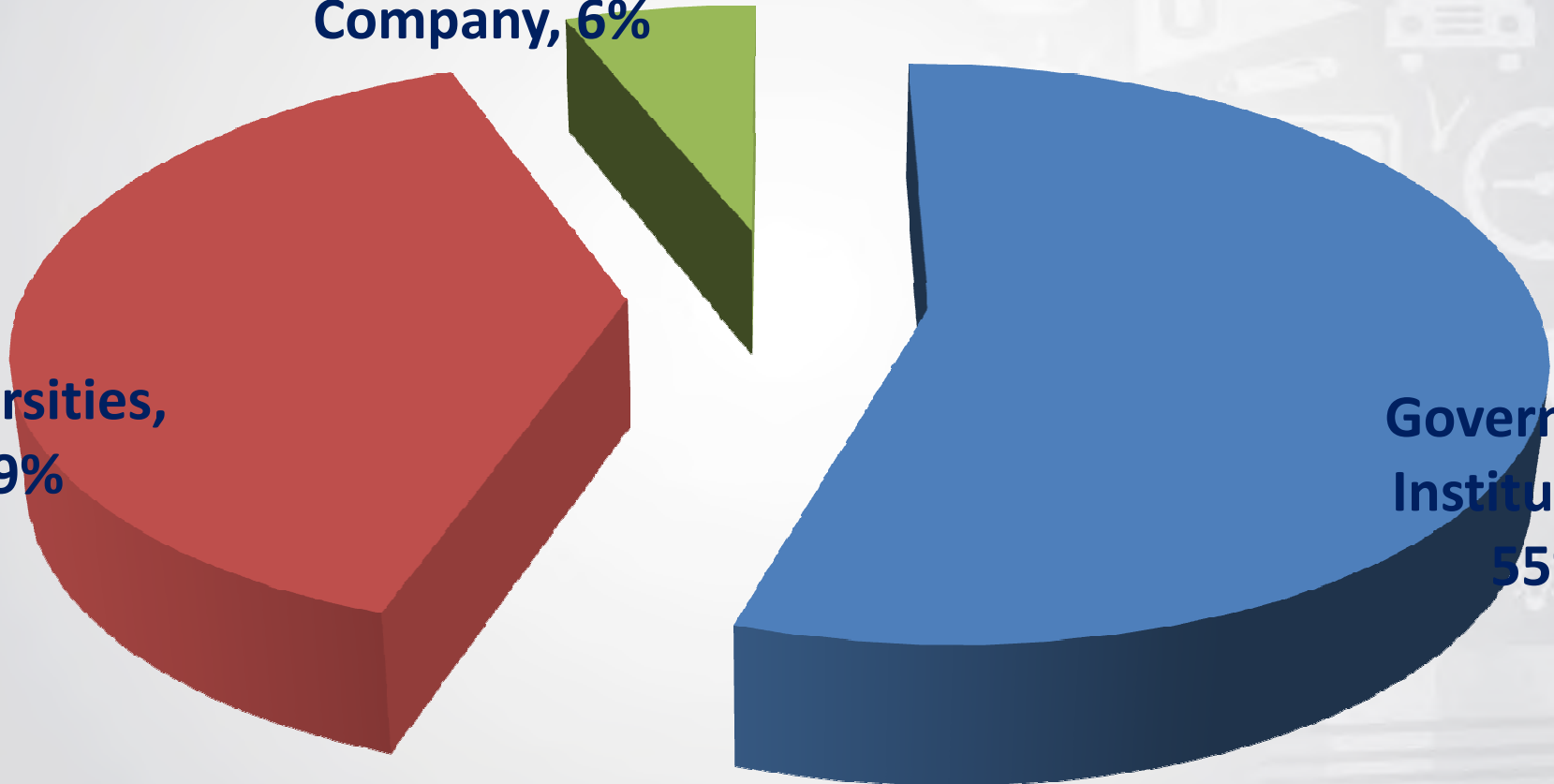
# Member of Forkomikro June 2016 (19 CCs)



**Private  
Company, 6%**

**Universities,  
39%**

**Government  
Institutions,  
55%**





# Networking



*Asian Consortium For the Conservation and Sustainable Use of Microbial Resources (ACM)*

**WDCM**

World Data Center for  
Microorganisms



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# Thank you very much for your attention

