

PUBLIKASI JURNAL

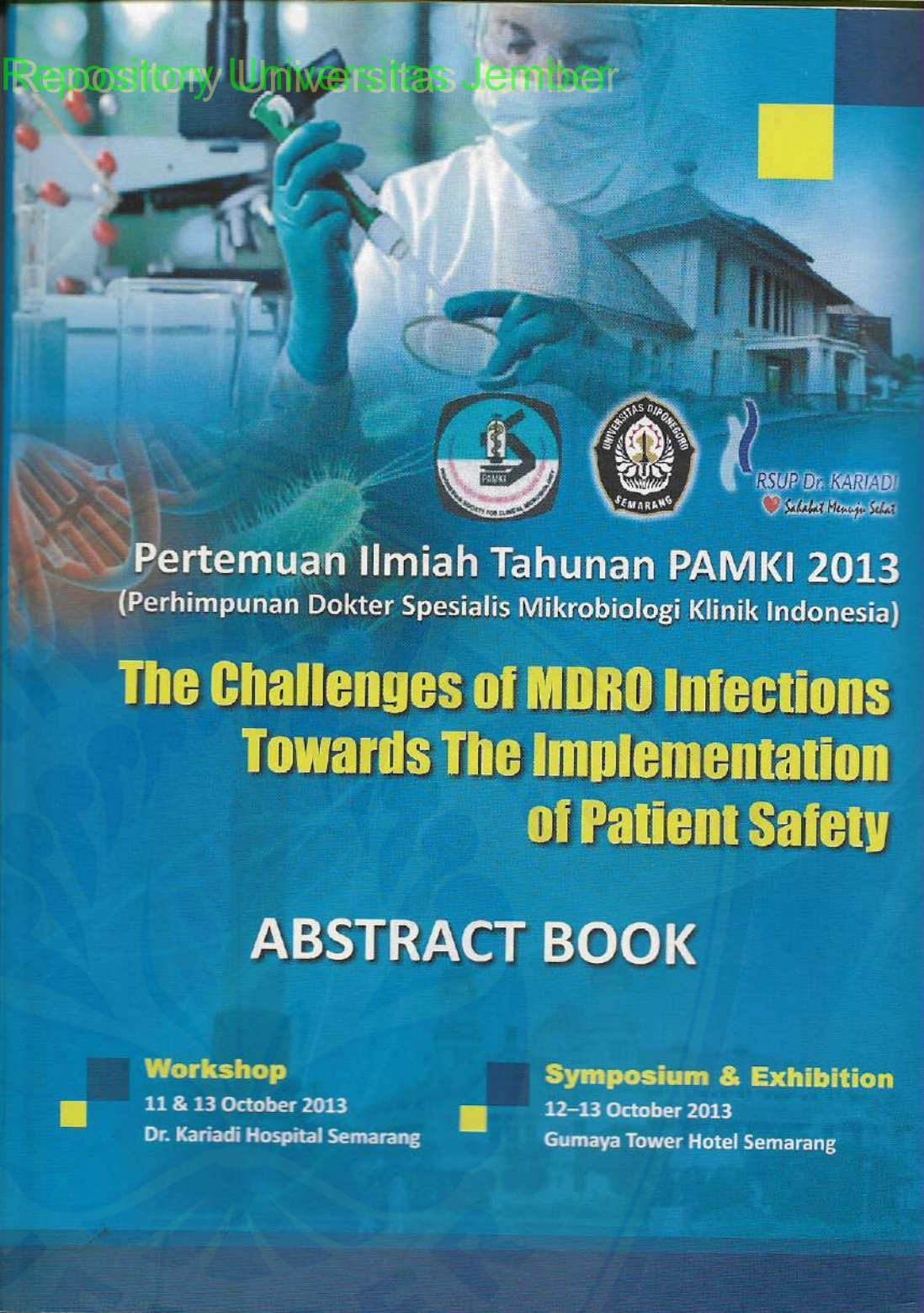
**KONTAMINASI AIR CUCIAN ALAT MAKAN YANG TIDAK MENGALIR
OLEH *SALMONELLA*, DI WARUNG MAKAN WILAYAH KAMPUS
UNIVERSITAS JEMBER**

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. Fakultas Kedokteran Universitas Jember



**KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET DAN TEKNOLOGI
UNIVERSITAS JEMBER**

**Karya Ilmiah dipresentasikan pada:
PIT-PAMKI) 12-13 Oktober 2013 di Semarang**



RSUP Dr. KARIADI
Sahabat Menyo Sehat

Pertemuan Ilmiah Tahunan PAMKI 2013
(Perhimpunan Dokter Spesialis Mikrobiologi Klinik Indonesia)

The Challenges of MDRO Infections Towards The Implementation of Patient Safety

ABSTRACT BOOK

Workshop

11 & 13 October 2013

Dr. Kariadi Hospital Semarang

Symposium & Exhibition

12-13 October 2013

Gumaya Tower Hotel Semarang

ABSTRACT BOOK

**PERTEMUAN ILMIAH TAHUNAN PAMKI 2013
(PERHIMPUNAN DOKTER SPESIALIS MIKROBIOLOGI KLINIK)**

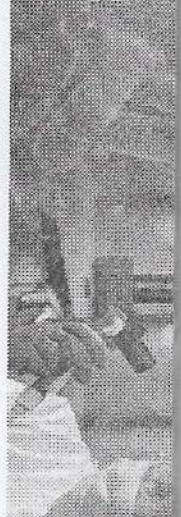
**Theme :
The Challenges of MDRO Infections Toward
The Implementation of Patient Safety**

Semarang, 12 – 13 October 2013

International Health Infection October 2013
The Challenges of MRSA Infections
Towards The Implementation
of Patient Safety



International Health Infection October 2013
The Challenges of MRSA Infections
Towards The Implementation
of Patient Safety



CONFERENCE SCHEDULE
WORKSHOP 1

“The Second Indonesian Clinical Microbiology Course”
Friday, 11 October 2013
Aula Auditorium RSUP Dr. Kariadi

07:30 - 08:00	Registration
08:00 - 08:30	Opening Prof. Dr. dr. Hendro Wahyono, M.Sc.TropMed., SPMK(K)
08:30 - 09:45	Session 1: Case session Moderator: Prof. Dr. dr. Hendro Wahyono, DMW, M.Sc.TropMed., SPMK(K) PRE-TEST
09:45 - 09:55	Role of clinical microbiology in clinical setting
09:55 - 10:05	Prof. Henri A Verbrugg, MD, Ph.D (the Netherlands)
10:05 - 10:35	AST Interpretation (EUCAST)
10:35 - 10:50	Prof. Johan W. Mouton, MD, Ph.D (the Netherlands)
10:50 - 11:00	Case studies (4 groups)
11:00 - 11:05	Coffee break
11:05 - 11:30	Session 2: Laboratory and Ward session Coordinator: Prof. Dr. dr. Hendro Wahyono, DMW, M.Sc.TropMed., SPMK(K)
11:30 - 11:50	Laboratory observation to observe microbiological assay results and to check lab work:
	1. Bacterial identification
	2. AST
	3. Serological Assay
	4. Patient observation
	5. To visit patient at ICU ward and to check clinical status
	6. EAM observation
	7. Physical examination
	Facilitator:
	Prof. Henri A Verbrugg, MD, Ph.D
	Prof. Johan W. Mouton, MD, Ph.D
	Prof. dr. dr. Kusuman, MS, Sp. SAK(K)
	Prof. dr. dr. Hendro Wahyono, M.Sc.TropMed., DMW, SPMK(K)

Perkembangan terbaru Tuberculosis 2013
The Challenges of MRSA Infections
Towards The Implementation
of Patient Safety

11.00 – 11.30	Group discussion
11.30 – 13.00	Lunch & Friday Pray
	Session 3. Presentation session Moderator: Prof. Dr. dr. Kuntaman, MS, Sp.MK(K)
13.00 – 13.30	Presentation of case 1 (group A)
13.30 – 14.00	Presentation of case 2 (group B)
14.00 – 14.30	Presentation of case 3 (group C)
14.30 – 15.30	Discussion Facilitator : Prof. Henri A Verbrugh, MD, Ph.D Prof. Johan W. Mouton, MD, Ph.D Prof. Dr. dr. Kuntaman, MS, Sp.MK(K) Prof. Dr. dr. Hendro Wahyono, M.Sc.TropMed., DMM, Sp.MK(K) dr. Jati Listyanto Pujo, Sp.An-KIC dr. Johan Arifin, Sp.An-KIC dr. Retnangsih, Sp.S, KIC
15.30 – 15.45	Closing
15.45 – 16.15	Coffee break

Perkembangan terbaru Tuberculosis 2013
The Challenges of MRSA Infections
Towards The Implementation
of Patient Safety

WORKSHOP 2
"Hospital Antimicrobial Resistance Control Management (Program
Pengendalian Resistensi Antimikroba di Rumah Sakit) Course"
Friday, 11 October 2013
Aula Diklat RSUP Dr. Kariadi

07.30 – 08.20	Registration
08.20 – 08.30	Opening Prof. Dr. dr. Winarto, DMM, Sp.Mk, Sp.M(K)
	Session 1
08.30 – 09.00	Overview workshops scope Facilitator : dr. Hari Parathon, Sp. OG(K) Marlyatul Qibiyah, S.Si., Apt., SPFRS dr. MIMDEAH Hapsari, Sp.A(K) dr. Helmi Farida, Mkes, Sp.A
09.00 – 09.45	Global problems and strategies for antimicrobial resistance control (A Hospital Director's Perspective) dr. Bambang Wilbowo, Sp. OG(K)
09.45 – 10.00	Coffee break
	Session 2
10.00 – 10.45	Principles of antimicrobial therapy dr. EMMERAH Hapsari, Sp.A(K)
10.45 – 10.50	Principles of antimicrobial surgical prophylaxis and other measures to control surgical site infection dr. Hari Parathon, Sp. OG(K)
10.50 – 11.15	The role of pharmacy dept in antimicrobial resistance control program Maryatul Qibiyah, S.Si, Apt., SPFRS
11.15 – 11.30	Discussion
11.30 – 11.45	Lunch & Friday praying
	Session 3
11.45 – 12.00	The role of clinical microbiology in antimicrobial resistance control program Prof. Dr. dr. Hendro Wahyono, M.Sc.TropMed., Sp.MK(K)



13.25 – 13.50	The role of Infection Prevention Committee (PPI) in antimicrobial resistance control program dr. Najatullah, Sp.BP-RE
13.50 – 14.00	Discussion
14.00 – 14.45	Case simulation and discussion Facilitator : dr. Hari Parathon, Sp. OG(K) Marilyatul Qibiyah, S.Si., Apt., SpFRS dr. MMDEAH Hapsari, Sp. AK(K) dr. Helmia Farida, MKes, Sp. A
14.45 – 15.45	Workshop : Microbiology Data Management 'Early Warning System for MDROs and Tracing HAIs' Becton Dickinson & Co.
15.45 – 16.00	Closing
16.00 – 16.15	Coffee break

PAMKI MEETING :

Day : Friday, 11 October 2013
 Time : 16.45–17.45 WIB
 Venue : Sakura Room Gumaya Tower Hotel
 Coordinator : Prof. Dr. dr. Kuntaman, MS, Sp. MK (K)

RESIDEN MEETING :

Day : Friday, 11 October 2013
 Time : 16.45–17.45 WIB
 Venue : Garuda Room Gumaya Tower Hotel

DINNER AND WELCOME PARTY

Day : Friday, 11 October 2013
 Time : 19.00–21.30 WIB
 Venue : Ballroom - Gumaya Tower Hotel

SIMPOSIUM DAY 1
 "The Challenges of MDRO Infections"
 Saturday, 12 October 2013
 Ballroom – Gumaya Tower Hotel

08.00 – 08.45	Registration
08.45 – 09.00	Opening remark: Chairman of PIT PAMKI Committee
09.00 – 09.30	Keynote and opening speech: Implementation of Antimicrobial Stewardship on Patient safety Sekjen Kemenkes : dr. Supriantoro, Sp.P
09.30 – 10.00	Plenary Lecture: Health Care Problems Associated with Antibiotic-resistant Infections Prof. Henri A. Verbrugh, MD, Ph.D
10.00 – 10.15	Coffee break
10.15 – 10.45	Symposium I "MDROs – Sepsis" Moderator: dr. Anis Karunawati, Ph.D, Sp. MK(K)
10.45 – 11.05	Prevention and Control of Multidrug-resistant Organisms (MDROs) Outbreak in Healthcare and Community Settings Prof. Henri A Verbrugh, MD, Ph.D
11.05 – 11.35	Pathogenesis of sepsis : New Concepts and Implications for Future Treatment in Form of MDROs Infection Prof. Dr. dr. H. A. Guntur Hermawan, SpPD-KPTI-FINASIM
11.35 – 11.45	Role of Intensivist in Multidrug-resistant Organisms-induced sepsis Dr. Frans IV. Pengalisia, SpPD, KIC
11.45 – 11.55	Experiences in supporting sepsis patients with Antibiogram Dr. Rahmatigibni, Sp. S, KIC
11.55 – 12.00	Discussion



POSTER PRESENTATION

Posters should be put up on the board that has been provided on Saturday, October 12th, 08.00 am until Sunday, October 13, 12.00 am.
 Presentation of poster will be held on :
 Day | Saturday, 12 October 2013
 Time | 15.00-16.00 WIB
 Venue | Poster Exhibition Room

DINNER AND KNOWLEDGE TEST OF CLINICAL MICROBIOLOGY

Day | Saturday, 12 October 2013
 Time | 18.00-18.45 WIB (Dinner)
 19.00-21.30 WIB (Test)
 Venue | Ballroom Gunungaya Tower Hotel

12.00 – 13.00	Lunch
13.00 – 13.20	MDR TB control in Indonesia Prof. Dr. dr. Agus Sjahrachman, Sp.MK(K)
13.20 – 13.40	Clinical experiences in The Management of MDR TB Infections Dr. dr. Reviono Sp.P(K)
13.40 – 14.50	Discussion Coffe break
14.50 – 15.10	Symposium III "Fungal drug resistance : Microbiology and Clinical Views" Moderator: Prof. Dr.dr. Edi Bagus Wastio, MS, Sp.MK(K)
15.10 – 15.30	Azole Resistance in Fungal Diseases Prof. Johan W Mouton, MD, Ph.D
15.30 – 15.40	The Supporting and Therapeutic Approach to Fungal Infections in Critical Care Settings dr. Anang Achmadi, Sp.An -KIC
15.40 – 16.00	Discussion Symposium IV "Clostridium difficile Infection: New Insights into Management" Moderator: Prof. Dr.dr. Sanata Santoso, DIMA&H, Sp.MK(K)
16.00 – 16.20	Pathogenesis and diagnosis of <i>Clostridium difficile</i> infections Prof. Thomas V. Riley, MappEpid, Ph.D, FASM, FAAM, FRCPATH, FFSc (RCPA)
16.20 – 16.30	Fecal transplantation in management of <i>Clostridium difficile</i> infections Prof. H.A. Verbrugh, MD, Ph.D
	Discussion



KONTAMINASI AIR CUCIAN ALAT MAKAN YANG TIDAK MENGALIR OLEH SALMONELLA, DI WARUNG MAKAN WILAYAH KAMPUS UNIVERSITAS JEMBER CONTAMINATION OF STAGNANT WATER FOR CLEANING KITCHEN TOOLS BY SALMONELLA AT CAFES NEARBY CAMPUS OF JEMBER UNIVERSITY



Enny Suswati, Herru Adriansyah

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ABSTRACT

The objective of study is to explore contamination of Salmonella to washing water at cafes nearby campus of Jember University, and to measure the percentage of positively Salmonella-contaminated washing water. The amount of sample of this study is 30% of population selected using systematic random sampling. Samples of water were collected using sterile cotton buds, which was transported into sterile sealed glass tubes to be examined using SSA medium, urea and indol tests. Data were analyzed using qualitative uni-variate system. The results show that there were 153 cafes located at four main roads, and 110 (72%) of them used stagnant water, and this figures were considered as population for this study. Examination of 33 samples using active media and robust test show that 11 samples were positively contaminated by Salmonella at percentage of 33.3%. The figure is considered adequate to substantiate that Salmonella can be found in stagnant washing water. In conclusion, stagnant water used by 72% of total cafes for washing kitchen tools have been positively contaminated by Salmonella at percentage of 33.3%.

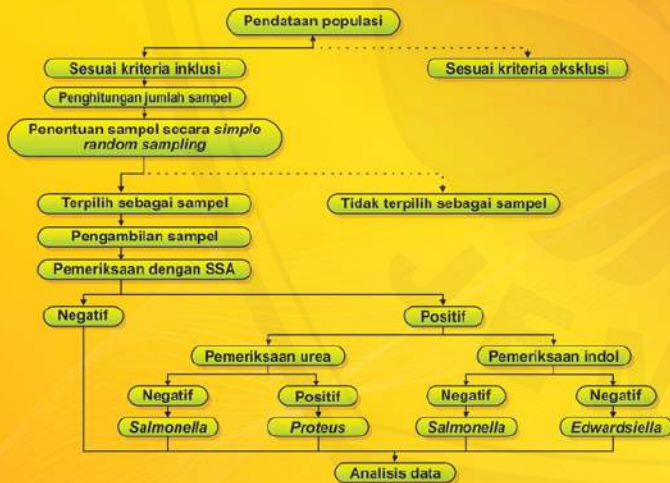
Keywords: cafes, washing water, *Salmonella typhi*

LATAR BELAKANG

Di Indonesia penderita demam tifoid cukup banyak diperkirakan 800/100.000 penduduk pertahun dan tersebar di mana-mana. Ditemukan hampir sepanjang tahun, tetapi terutama pada musim panas. Demam tifoid dapat ditemukan pada semua umur, tetapi yang paling sering pada anak umur 5-9 tahun dan laki-laki lebih banyak dari perempuan dengan perbandingan 2-3:1 (Kadang, 2005). Demam tifoid di Indonesia dapat ditemukan sepanjang tahun dan insiden tertinggi di daerah endemik terjadi pada anak-anak. Sumber penularan *Salmonella typhi* adalah pasien dengan demam tifoid dan karier. Di daerah endemik, penularan terjadi melalui air yang tercemar *Salmonella typhi*, sedangkan makanan yang tercemar oleh karier merupakan sumber penularan tersering di daerah non-endemik (Waa, 2003).

Lingkungan kampus dimana banyak mahasiswa yang tidak tinggal bersama orang tua dan kebanyakan mengkonsumsi makanan yang didapat dari penjual makanan, baik warung makan, restoran, usaha katering ataupun pedagang keliling. Aspek sanitasi penjual makanan sangat mempengaruhi kesehatan mahasiswa. Penyebaran penyakit *fecal oral* seperti tifoid dan paratifoid dengan mudah dapat meluas, penularan ini bisa terjadi lewat makanan, minuman dan/atau alat makan. Hal ini dipengaruhi oleh kebiasaan penjual dalam proses pengolahan, penyimpanan makanan sementara dan penyajian makanan. Selain itu pengolahan dan pembuangan limbah yang tidak dikontrol dapat mencemari makanan. Kebiasaan mahasiswa juga merupakan salah satu faktor yang mempengaruhi sanitasi dan kesehatan lingkungan kampus dalam penyebaran penyakit ini.

METODE PENELITIAN



Gambar 1. Alur Penelitian

HASIL PENELITIAN

Penelitian ini dilakukan di empat jalan utama yang mengelilingi kampus Universitas Jember, didapatkan data yang tertera pada Lampiran A. Dari data tersebut, diketahui total warung makan yang terdapat adalah 153 warung, berdasarkan letak warung makan maka distribusi warung makan yang terdapat di jalan Kalimantan sebanyak 57 warung, jalan Jawa sebanyak 65 warung, jalan Riau sebanyak 9 warung dan jalan Masprip sebanyak 26 warung.

Berdasarkan jenis air cuci yang digunakan terdapat 42 warung menggunakan air cuci yang mengalir dan 110 warung yang menggunakan air cuci yang tidak mengalir, dan 1 warung yang tidak memiliki fasilitas makan ditempat.

Tabel 1 Jumlah Warung Makan Berdasarkan Jenis Air Cucian

No	Jenis Air Cucian	Jumlah Warung
1	Mengalir	110
2	Tergenang	42
3	Tidak ada	1

HASIL PENELITIAN

Tabel 2 Hasil Pemeriksaan

No	Jenis Pemeriksaan	Hasil		Keterangan
		Positif	Negatif	
1	SSA	11	22	-
2	Uji urea	-	11	Positif <i>Salmonella</i>
3	Uji indol	-	11	Positif <i>Salmonella</i>

Hasil Pemeriksaan SSA



Hasil Pemeriksaan Biokimia



Keterangan: semua hasil adalah negatif

KESIMPULAN

Dari penelitian yang telah dilakukan maka dapat diambil kesimpulan yaitu total warung makan sebanyak 153 warung, diantaranya terdapat 110 warung makan yang menggunakan air cuci tidak mengalir dengan prosentasi kontaminasi *Salmonella* sebesar 33,3%.

Annual Scientific Meeting of Indonesian Society for Clinical Microbiology (PIT – PAMKI) 2013



The Challenges of MDRO Infections

Towards The Implementation of Patient Safety

Certificate of Appreciation

This certificate is presented to

dr. ENNY SUSWATI, M.Kes

In recognition of your valuable contribution as
PRESENTER

In SYMPOSIUM "The challenges of MDRO infections towards the implementation of patient safety"

October 12 -13, 2013 /Gumaya Tower Hotel, Semarang, Indonesia

SK PB IDI No. : 667/PB/A.4/09/2013

PARTICIPANT : 8 SKP, SPEAKER : 12 SKP, MODERATOR : 4 SKP, COMMITTEE : 2 SKP

Prof. dr. Sam Suharto, Sp.MK(K)
Chairman of Indonesian Society for Clinical Microbiology
(PAMKI)



Prof. Dr. dr. Winarto, Sp.MK., Sp.M(K)
Chairman of Annual Scientific Meeting of Indonesian Society for Clinical Microbiology
(PIT-PAMKI)