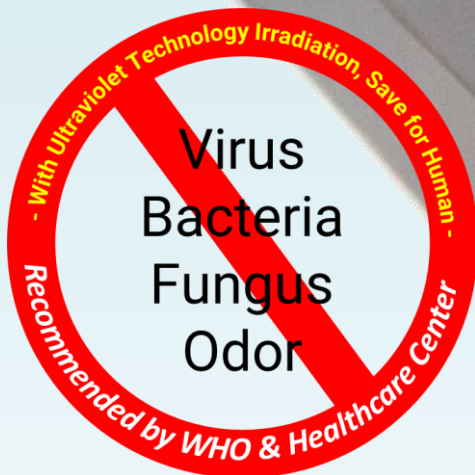


OXIRA XN & XG

Disinfektan udara berteknologi **Ultra Violet Germicidal Irradiation (UVGI)** yang terbukti global, direkomendasikan WHO* dengan dukungan studi klinis



* World Health Organization

isotek
Advancing Healthcare



OXIRA XN & XG

Lokasi Tempat Penggunaan

Alat disinfektan udara ini dipergunakan **hanya dalam ruang tertutup (indoor)** dengan cara menghisap udara terduga mengandung mikroorganisme infeksius, untuk kemudian dipaparkan dengan sinar Ultra Violet 254 nm sebagai proses disinfeksi udara yang aman posisi mendatar atau vertical (*tersedia braket dinding*)

Rekomendasi ruang penggunaan :

- **Area kerja** - ruang meeting, ruang kerja, ruang manager/pimpinan dll
- **Area medis & paramedis** - bidan, dokter, dokter gigi, ruang perawat dll
- **Area pribadi** - ruang tidur, ruang makan, ruang keluarga dll
- **Laboratorium**
- **Klinik Kesehatan & Kecantikan**
- **Salon**
- **Ruang Penitipan Anak, Ruang Geriatri**
- **Ruang Kelas Sekolah / Kuliah**
- **Restoran & Kafe**
- **Laundry area**
- **Lainnya**



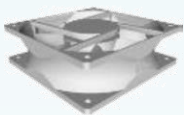
Fitur Produk & Keuntungan



Bentuk alat *simple, elegan & premium class*

- Ukuran $\pm 50 \times 6 \times 7$ (cm),
- Pilihan warna eksklusif (putih dan abu)
- berbahan ***powder coated zinc annealed steel*** (baja),
- 20 watt, maka konsumsi daya listrik setara dengan $\pm$ Rp 10,000/bulan

Durable & Quite Fan

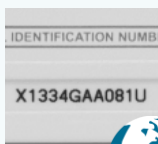


- Tidak bising
- Nyaman untuk ruang kerja & ruang tidur



Lampu ultraviolet "highest purity quartz" Heraeus GmbH Jerman

Panjang gelombang 254 nm berfungsi maksimal konstan selama **15.000 jam** (setara dengan $\pm$ **20 bulan** jika dipakai 24 jam/hari)



World Class Product

- Tersertifikasi dengan ***Global Product ID***
- Menjamin keaslian produk, terbukti presisi & berdaya tahan



Referensi UVGI

OXIRA XG

1. Global

- Guidelines for Environmental Infection Control in Healthcare Facilities US Department of Health & Human Services Centers for Disease Control & Prevention (CDC)

Keyword : UVGI (Ultra Violet Germicidal Irradiation)

- Hospital Airborne Infection Control by Wladyslaw Kowalski – CRC Press
www.crcpress.com

Keyword : UVGI (Ultra Violet Germicidal Irradiation)

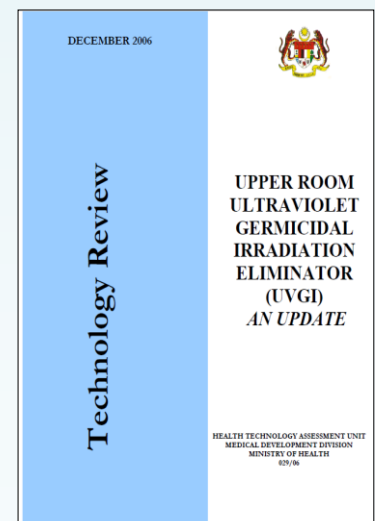
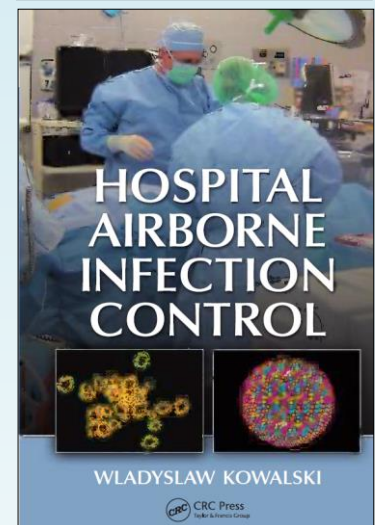
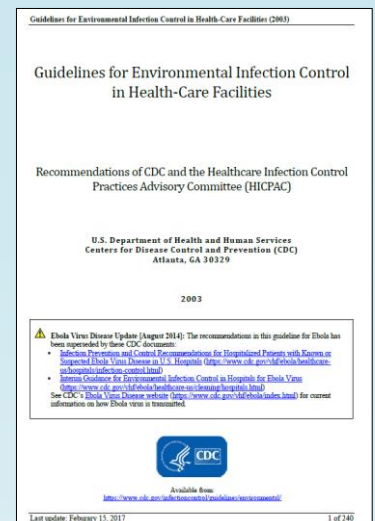
2. Regional

Upper room UVGI Eliminator an Update

Keyword : UVGI (Ultra Violet Germicidal Irradiation)

3. Nasional

Permenkes No 7 thn 2019 dengan bagian mengenai "Standard Baku Mutu dan Persyaratan Kesehatan Udara (halaman 21)"



OXIRA

Efficacy Test:
Royal Melbourne Inst of Technology
16th May, 2010
doc: efftest0510

Executive Summary
A random batch of OXIRA units were submitted to the Royal Melbourne Institute of Technology (RMIT) for testing for its efficacy on reducing airborne bacteria. The laboratory carefully selected two commensal bacteria that is often found in our daily life – E.coli and Salmonella. After a period of controlled testing, it was shown that the OXIRA units effectively restricted the spread of both common bacteria.

About the Laboratory
Royal Melbourne Institute of Technology is a global university of technology and design and Australia's largest tertiary institution. The university enjoys an international reputation for excellence in practical education and outcome-oriented research. RMIT offers testing services at its facilities, and was chosen for our test.

Methodology
Two enclosures of exact dimensions were chosen and placed side by side. Petri dishes of identical size were introduced to both enclosures to allow a small amount of circulating fresh air. Enclosure A is used to test the effectiveness of the OXIRA, and as such a unit was placed in it. Enclosure B is used as the control, with no OXIRA units placed inside. This is to compare the results later. A petri dish of E.coli culture was then placed in each enclosure. Photos of both petri dishes were taken periodically. After the tests with E.coli were completed, both enclosures were sanitised and prepared for the second test, using cultures of Salmonella.

Results
After a lapse of 8 days, photos of both types of bacteria have shown the air in Enclosure A has markedly impeded the spread of the culture in the petri dish. This has shown that the air in Enclosure A has been effectively treated by the germicidal ultraviolet tube in the OXIRA unit.



हाफकिन प्रशिक्षण, संशोधन व चाचणी संस्था
Hafkine Institute for Training, Research & Testing
An Approved Institute of Govt of Maharashtra Registered under Societies Registration Act 1960
Recognized as "Scientific & Industrial Research Organisation" (SIRO) by Govt of India, Ministry of Science & Technology

28 MAR 2012

HI / BR / R / S.O.03
2.

Contd.

* Microbial counts (Bacterial & Fungal) in air were done as per the "Guidelines on test method for environmental monitoring for aseptic packaging facilities". Produced by A Working Group of the Scottish Quality Assurance Specialist Interest Group, Second Edition, February 2004. Para: 10.6 with minor modifications.

** CFU / Colony forming Units.

*** As for as results obtained (as mentioned in the above table), it can be concluded that the above mentioned air neutraliser when it is in operation (Air neutraliser was put on), can significantly reduce bacterial burden by 96.17% after two (2) hours (***) and fungal burden by 95% after two (2) hours (***) p=0.0001.

*** Significance calculated using T-test; p-probability of error, where p<0.05 is significant.

N.B.: This report is issued with an explicit understanding that it would neither be used for the purpose of the advertisement nor it would be produced as an evidence in any form without the prior permission of the undersigned. Further, this report is restricted to the sample submitted to the department only.

Dr. Ashish Chitambar
Director

www : isiro.org.in, www : isiro.org.in, www : isiro.org.in, www : isiro.org.in, www : isiro.org.in, www : isiro.org.in, www : isiro.org.in, www : isiro.org.in, www : isiro.org.in, www : isiro.org.in
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Laman : www.rsupersahabatan.co.id Pos-el (Email) : info@rsupersahabatan.co.id

LAPORAN PEMERIKSAAN MIKROORGANISME RUANG
PEMERIKSAAN POLI PARU GRIYA PUSPA

Tanggal pemeriksaan: 6 Agustus 2019
Ruang : Ruang Pemeriksaan Poli Paru griya Puspaa.
Hasil pemeriksaan:

No.	Yang diperiksa	Metode pemeriksaan	Hasil	Keterangan
1.	sebelum menggunakan OXIRA Udara Ruang	Air Sampler	630 koloni	
2.	Sesudah Menggunakan OXIRA 24 jam	Air Sampler	110 koloni	

Analisa Hasil:

- Terdapat penurunan jumlah koloni mikroorganisme di udara. Dengan sistem tata udara yang tertutup.

Jakarta, 30 Agustus 2019
Ka-Unit Laboratorium Mikrobiologi Klinik
RSUP Persahabatan

Dr. Budi Haryanto, SpMK.
NIP. 2015 06 11 392

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LAPORAN PEMERIKSAAN MIKROORGANISME RUANG
TINDAKAN POLI PARU GRIYA PUSPA

Tanggal pemeriksaan: 3 September 2019
Ruang : Ruang Tindakan Poli Paru griya Puspaa.
Hasil pemeriksaan:

No.	Yang diperiksa	Metode pemeriksaan	Hasil	Keterangan
1.	sebelum menggunakan OXIRA Udara Ruang	Air Sampler	80 koloni	
2.	Sesudah Menggunakan OXIRA 24 jam	Air Sampler	40 koloni	

Analisa Hasil:

- Terdapat penurunan jumlah koloni mikroorganisme di udara. Dengan sistem tata udara yang tertutup.

Jakarta, 9 September 2019
Ka-Unit Laboratorium Mikrobiologi Klinik
RSUP Persahabatan

Dr. Budi Haryanto, SpMK.
NIP. 2015 06 11 392

*Hasil uji alat luar dan dalam negeri lebih jelas terdapat pada lampiran terpisah.



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