



20th World Congress on Medical Law

Ref. No: 45/A/WCML/08/2014

Jakarta, Agustus 2014

**Kepada Yth.
Dr.rer.nat. I M.A. Gelgel Wirasuta, M.Si., Apt
Jurusan Farmasi Universitas Udayana
di Bali**

Perihal: **Undangan sebagai pembicara dalam 20th World Congress on Medical Law**

Dengan hormat disampaikan, bahwa Indonesia terpilih menjadi penyelenggara **20th World Congress on Medical Law** yang akan dilaksanakan tanggal 21-24 Agustus 2014 di Nusa-Dua Bali. Kongres akan dihadiri sekitar 1000 orang ahli, peneliti dan praktisi Hukum, Forensik, Hukum Kesehatan dan Bioetik dari seluruh dunia.

Sehubungan dengan hal tersebut diatas, untuk kepentingan pengembangan minat dan keilmuan serta dalam rangka optimalisasi dan kontribusi penegakkan hukum dalam bidang *Health Law, Medical Law, Legal Medicine, Pharmaceutical Law, Forensic Medicine* dan *Bioethics*, maka Panitia *World Congress* mengundang **Bapak** untuk mengambil bagian dalam *World Congress* ini dengan menyampaikan paper dengan judul "**Steroid dan Toksin dalam Makanan**" pada Jum'at, 22 Agustus 2014, pukul 09.30 – 11.30 WITA di ruang Uluwatu I (Symposium 29), Bali Nusa Dua Convention Center.

Perlu kami sampaikan bahwa ada lima kelas ilmiah berlangsung secara parallel (3 kelas in English dan 2 kelas dalam Bahasa Indonesia). Keterangan lengkap tentang Kongres, dapat diperoleh dari web: www.2014wcml.com dan kontak SMS ke - 0818.0821.3996

Demikian undangan ini kami sampaikan, atas kerjasama yang baik dalam peningkatan pemahaman terhadap Hukum Kesehatan di dunia khususnya di Indonesia, dihaturkan terima kasih.

Hormat saya,



Dr.M.Nasser DV, FINS DV, AADV, DLaw
President of 20th World Congress on Medical Law
Vice President of World Association for Medical Law



World Association for Medical Law



INDONESIA HEALTH LAW SOCIETY

CERTIFICATE

20TH WORLD CONGRESS ON MEDICAL LAW DOES HEALTH LAW PROTECT DIGNITY AND SAVE LIVES?

BALI, INDONESIA, AUGUST 21ST - 24TH, 2014

This is to certify

Gelgel Wirasuta

Steroids And Toxins In Food

Has actively participated as

Speaker / Moderator / Participant / Committee

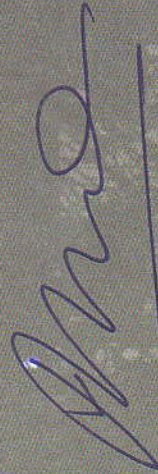
Bali, August 24, 2014


Prof. Thomas T. Noguchi MD, FCLM, PhD
United State of America

President of WAML


Prof. Roy G Beran
Australia

Secretary General of WAML



Dr. M. Nasser SpKK, FINSDV, AADV, Dlaw
Indonesia

President of 20th WCML

steroid and food

by Gelgel Wirasuta

FILE	POINT_- _STEROID_DAN_TOKSIN_DALAM_MAKANAN_COMPATIBILITY_MODE.PDF (351.91K)	WORD COUNT	210
TIME SUBMITTED	28-JAN-2017 08:27 AM	CHARACTER COUNT	1154
SUBMISSION ID	763547168		

Steroid and Toxin In Food

1

Dr.rer.nat. I Made Agus Gelgel Wirasuta, M.Si., Apt
Farmasi-Universitas Udayana
mgelgel1@yahoo.de

Based

- Government regulations and guidelines in the USA relevant to food analysis include:
 - nutrition labeling regulations
 - mandatory and voluntary standards
 - Good Manufacturing Practice (GMP) regulations (now called Current Good Manufacturing Practice in Manufacturing Packing, or Holding Human Food) and
 - Hazard Analysis Critical Control Point (HACCP) systems

Government Regulations and International Standards and Policies Food Analysis

Based

- Hazard Analysis Critical Control Point (HACCP) systems (Chap. 2).
 - The HACCP system is highly demanded of food companies by auditing firms and customers.
 - The HACCP concept has been adopted not only by the US Food and Drug Administration (FDA) and other federal agencies in the USA, but also by the Codex Alimentarius Commission.
 - Codex Alimentarius Commission, an international organization that has become a major force in world food trade.
 - Codex is described in Chap. 2, along with other organizations active in developing international standards and safety practices relevant to food analysis that affect the import and export of raw agricultural commodities and processed food products.

Based

- To market safe, high-quality foods effectively in a national and global marketplace, food companies must pay increasing attention to government regulations and guidelines and to the policies and standards of international organizations.
- Food scientists must be aware of these regulations, guidelines, and policies related to food safety and quality and must know the implications for food analysis.

United States Government Regulations and International Standards Related to Food Analysis

S. Suzanne Nielsen
Department of Food Science, Purdue University,
West Lafayette, IN 47907-2009, USA
nielsen@purdue.edu



Nutrition Labeling

Lloyd E. Metzger
 Department of Dairy Science, South Dakota State University,
 Brookings, SD 57007, USA
 lloyd.metzger@sdstate.edu



Toxins in Food



Biro Hukum & Organisasi
 Kementerian Kesehatan

Daftar Peraturan

- Peraturan Menteri Kesehatan Republik Indonesia tentang Peraturan Pelaksanaan Peraturan Pemerintah Nomor 102 Tahun 2012 tentang Kesehatan
- Peraturan Menteri Kesehatan Republik Indonesia tentang Peraturan Pelaksanaan Peraturan Pemerintah Nomor 102 Tahun 2012 tentang Kesehatan
- Peraturan Menteri Kesehatan Republik Indonesia Nomor 1019/2012 tentang Peraturan Pelaksanaan Peraturan Pemerintah Nomor 102 Tahun 2012 tentang Kesehatan

Hazards in food

- **Physical:**
 – Based on physical properties of substances
- **Chemical:**
 – Based on chemical properties of substances
- **Microbiological:**
 Based on biological properties of substances



Biro Hukum & Organisasi
 Kementerian Kesehatan

Daftar Peraturan

- Peraturan Menteri Kesehatan Republik Indonesia Nomor 1019/2012 tentang Peraturan Pelaksanaan Peraturan Pemerintah Nomor 102 Tahun 2012 tentang Kesehatan
- Peraturan Menteri Kesehatan Republik Indonesia Nomor 1019/2012 tentang Peraturan Pelaksanaan Peraturan Pemerintah Nomor 102 Tahun 2012 tentang Kesehatan
- Peraturan Menteri Kesehatan Republik Indonesia Nomor 1019/2012 tentang Peraturan Pelaksanaan Peraturan Pemerintah Nomor 102 Tahun 2012 tentang Kesehatan

Three sources of toxins in food

1. Endogenous toxins
2. Naturally occurring toxins
3. Synthetic toxins

Risk Assessment = Dose response + Exposure Assessment



Aflatoxin – corn and peanuts

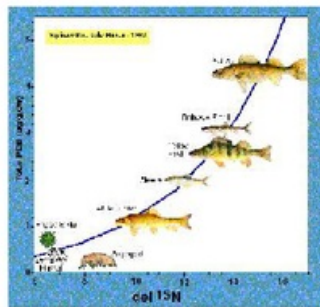


15 ppb ok (legally)

Food supplements in the athlete

Sophie Gosselin
Emergency Medicine
McGill

Bioaccumulation



Food Supplements in the Athlete

- Creatine
- Anabolic Steroids
- Androstenedione
- Clenbuterol
- Amino-acids
- GHB
- Chromium picolinate

Risks of toxins in food

1. General toxicity
2. Teratogenicity
3. Carcinogenic
4. Microbial pathogens
5. Mutagenic
6. Endocrine disrupters (hormones)

Route of administration

- Per Oral
- Injection:
 - Intra Muscular
 - Subcutant for EPO

Drug abuse

- Curiosity in teenager
- Increased risk of drug use
 - E-Smoking
 - Ethanol
 - Cigarette
 - Marijuana
 - Opiate derivate
 - IV drug use
 - ATS-derivate
 - New Ats

Conclusion

- Healthy and Happy is a dream for all
- Be Careful to choose your food



steroid and food

ORIGINALITY REPORT

% **6**

SIMILARITY INDEX

% **6**

INTERNET SOURCES

% **0**

PUBLICATIONS

% **0**

STUDENT PAPERS

PRIMARY SOURCES

1

ipw.ismafarsi.org

Internet Source

% **6**

EXCLUDE QUOTES OFF

EXCLUDE MATCHES OFF

EXCLUDE
BIBLIOGRAPHY OFF