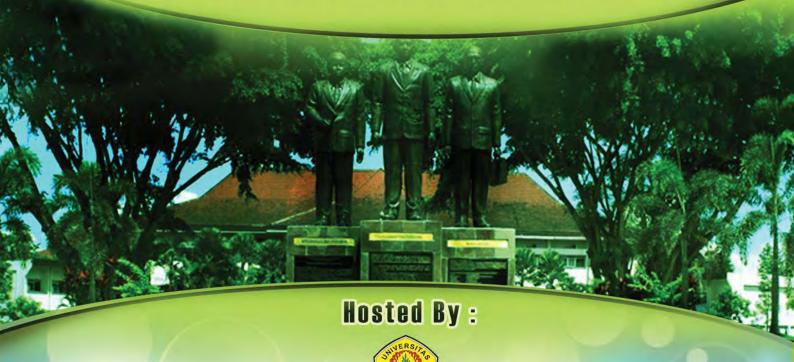
## PROCEEDINGS

## IGAM

International Conference on Agribusiness Marketing



FACULTY OF AGRICULTURE, JEMBER UNIVERSITY

25 - 26 JUNE 2012 JEMBER, EAST JAVA, INDONESIA

ISBN: 978-602-9030-09-9



# Proceedings International Conference on Agribusiness Marketing (ICAM 2012)



**Editors:** 

Joni Murti Mulyo Aji Mustapit

FACULTY OF AGRICULTURE JEMBER UNIVERSITY JEMBER, EAST JAVA, INDONESIA This page intentionally left blank

## **CONTENTS**

Cove	r	i
Cont	ents	iii
Forev	word	xi
Keyn	ote Speaker	xiii
Recto	or of Jember University	
Plena	ary Speakers	
1.	Food Security and Its Implications to Developing Economies	1
	Mad Nasir Shamsudin, Faculty of Agriculture, Universiti Putra Malaysia.	
2.	Green Marketing and Its Implications  Marthin Nanere, La Trobe University, Australia, Faculty of Business, Economics and Law, La Trobe Business School, Department of Marketing and Tourism and Hospitality.	3
3.	Toward Indonesia's Agroindustries Competitiveness: The Case of Bioethanol Development From Sugarcane Based Industries	15
	<b>Gita Khaerunisa Indahsari</b> and <b>Rudi Wibowo.</b> Faculty of Agriculture, Jember University.	
4.	Agricultural Policy Analysis Model: Enhancing Smallholders Development.	33
	<b>Zainal Abidin Mohamed,</b> Faculty of Agriculture, Universiti Putra Malaysia.	
5.	Agribusiness Market Development, Case Study: Rubber.	39
	<b>Moh.Taufik Hidayat</b> , PT. TRANS ARTHA MULIA: Exporter of Agricultural Produces, Jakarta.	
Prod	uction, Technology, and Environment	
6.	Sustainability Analysis of Smallholder Coffee Agro Industry	41
	Elida Novita , Rizal Syarief , Erliza Noor , Rubiyo	
7.	Natural Levee Utilization in Some Sub-Watershed of Bedadung's Watershed for Paddy Cultivation in Order to Support Food Security	65
	S.A. Budiman	
8.	Analysis of Solid Waste Management from Sugar Industry	73
	Khoiron	

9.	Potency of Food Production Based on Integrated Farming to Support Food Sufficiency	81
	Rahayu Relawati	
10.	Custom Farming (Service Providing) System in Malaysian Paddy Farming	95
	Norsida Man	
11.	Mapping and Critical Land Management as Efforts to Control Climate Change in Lamongan	109
	Isa Ma'rufi and Eri Witcahyo	
12.	Nitrate Content as Export Constrain of Indonesian Vegetables to Europe	119
	Ketut Anom Wijaya	
13.	The Utilization of Cemara Udang (Casuarina Equisetifolia) for Agricultural Purposes in The Southern Coast of Yogyakarta	129
	Atus Syahbudin , Dwi Tyaningsih Adriyanti , Anisa Handayani , Hu Bai, Katsuya Osozawa , and Ikuo Ninomiya	
14.	Precise N Fertilization as an Added Value for Farm Products	145
	Sulis Dyah Candra and Ketut Anom Wijaya	
15.	Implementation of Urban Farming Program in Surabaya-Indonesia for Decrease Poverty and Effort to Create Green Area	153
	Endang Yektiningsih and Sigit Dwi Nugroho	
16.	Screening and Partial Characterization of Bacteriocin from Lactid Acid Bacteria isolated from Fan Palm Sugar ( <i>Borassus flabellifer L</i> )	161
	Prestasia Budi Lestari and Agustin Krisna Wardani	
17.	Study toward The Deviance of Kerupuk Quality in Kerupuk Industry on Jember	167
	Elok Sayyidah Balya, Achmad Marzuki Moen'im and Setiadji	
18.	The Effect of The Addition of Yeast Isolates on The Colour During The Fermentationdifferentiation in Cocoa Beans	181
	Shanti Akhiriani, Susijahadi, Djumarti, and Teguh Wahyudi	
19.	A Biochemical Aspect Study of The Making of MOCAL (Modified Cassava Flour) Using Spontaneous Fermentation	191
	Yudi Cristian Windartha	

20.	The Making of Dye Powder of Duwet (Syzygium cuminii) Rind by Using Spray Dryer Method and The Stability during The Keeping	201
	Suci Nurdiastuti, Sukatiningsih and Siti Hartanti	
21.	The Application of Class CGM Model on The Peanut Plants (Arachis Hypogaea L)	215
	Afina , Indarto, and Idah Andriyani	
22.	The Impact of Media Type and Dose of Nitrogen Fertilizer to the Seedling growth of Accacia Mangium Willd	229
	Warsono , Sumiarjo Kiswondo, and Wahyu Giri Prasetyo	
23.	The Effect of Motivation of Paddy Straw Mushroom (Volvariella volvaceae) Farmer in Increasing The Income of Paddy Straw Mushroom Industry in Jember	239
	Nurul Fathiyah Fauzi	
24.	Cup Quality, Physical and Chemical Properties of Robusta Coffee Bean Produced by Wet Process Methods	251
	Yhulia Praptiningsih S.	
25.	Anthocyanin Stability of Robusta Coffee Cherries During Storage	259
	Sukatiningsih , Windrati, W.S, and Yudistira D	
26.	Detected Level of Recidues Tetracycline in Breast Meat, Drumstick and Heart of Chicken with High Performance Liquid Chromatography (Hplc)	269
	Winny Swastike	
27.	Forms and Effectiveness Adaptation Strategies on Climate Change: Lesson Learned from Daerah Istimewa Jogyakarta	275
	Sri Wahyuni and Saptana	
28.	Development of Traditional Sago Processor in Maluku: Opportunities and Challenges for Supporting Food Diversification	289
	Inta P. N. Damanik , Siti Amanah , Siti Madanijah, and Prabowo Tjitropranoto	
Mark	eeting	
29.	Status of Marketing Activities on Selected Small and Medium Fruit Processing Enterprises (SMFPES) Products : A Case of East Java, Indonesia	297

I. B. Suryaningrat

30.	Sugarcane Agribusiness Marketing Analysis on Dry Land People in Ngawi District, East Java, Indonesia	307
	Agus Santosa	
31.	Consumer Acceptability of Banana Blossom Sisic	321
	Isabel F. Salvador	
32.	Level of Awareness, Diferentiation, and Branch Value in Constructing Farmer Perception Influencing The Decision of Corn Seed Hibrida Purchase	337
	Riyanti Isaskar, Rini Dwiastuti, and Peterson Silalahi	
33.	Identification of Long Term Agroindustrial Relationship Pattern and Analysis of Supply Chain Existence on Cassava Chips Agroindustry	351
	Rini Dwiastuti and Tatiek Koerniawati Andajani	
34.	System of Rice Intensification (SRI) Product Value Added and Distribution Channel Analysis	361
	Tatiek Koerniawati Andajani and Rini Dwiastuti	
35.	Consumer Preferences Toward Instant Food Products in Yogjakarata	373
	Antik Suprihantini	
36.	Green Warehousing Initiatives towards Environmental Sustainability: Adoption and Performance in the Malaysian Food-based Industry	385
	Nitty HirawatyKamarulzaman, Hilda Hussin, Amin Mahir Abdullah, and Azmawani Abd Rahman	
37.	Consumer Behaviour Towards Herbal-Based Products in Malaysia	395
	Juwaidah Sharifuddin , Nurliyana Ahmad Mazlan, and Golnaz Rezai	
38.	Analysis on Recent BULOG's Assignments for Both Producer and Consumer of Rice in Indonesia	409
	Kuntoro Boga Andri	
39.	Analysis of Broccoli Supply Chain Management:Case Study in RODEO's Fresh Vegetables and Fruits Company	427
	Wisynu Ari Gutama and Nadia Gita Damayanti	
40.	Market Analysis on Supply Chain Of Pisang Mas From Lumajang Regency, East Java	441
	Kuntoro Boga Andri	
41.	Siam Citrus Marketing Efficiency in Jember Regency	453
	Julian Adam Ridjal	
42.	Rice Supply Chains in Indonesia: How They Work?	473
	Joni Murti Mulyo Aji	

43.	Processing Industries in East Java, Indonesia	489
	Ida Bagus Suryaningrat	
44.	Supply Chain Management of Tomato Production at Madanapalle Region	497
	Durga Prasad Modekurti	
45.	The Study of Agricultural Marketing in Art Performance in the Caseof "Festival Pasar Kumandang"	513
	Cahyani Tunggal Sari	
46.	Analysis of Coffee Consumer Behavior in Jember and Its Implications to Development Strategy of Local Coffee Agro-Industry	523
	Trias Primadani , Joni Murti Mulyo Aji and M. Sunarsih	
Econo	omics and Policy Studies	
47.	Feasibility and Sensitivity Study of Farming System to Increase Accessibility of Small Coffee Farmers to The Financial Institutions	529
	Ati Kusmiati	
48.	The Productivity of Women Labor on Cocoa Plantation in Banyuwangi District	545
	Evita Soliha Hani	
49.	Game Theory Analysis of Prospects of Formal and Informal Institution Tobacco Industry in Gresik	553
	Gigih Pratomo, Adhitya Wardhono, Ciplis Gema Qo'riah, and Satrio Wicaksono	
50.	Internal and External Factors Affecting Farmers' Group Capability in Adaptation on Climate Change	561
	Wahyuning K. Sejati, Sri Wahyuni and Tri Pranadji	
51.	Logical Consistency and Tobacco Economic Development in Gresik Regency	571
	Ciplis Gema Qori'ah, Yulia Indrawati, and Gigih Pratomo	
52.	Food Vs Bio-Fuel and the Impact on Food Commodity Market in Indonesia	579
	Triana Dewi Hapsari	
53.	Development of Downstream Agribusiness in the Context of Increasing Value Added Products CPO	601
	Diana Sulianti K. Tobing	

54.	Income Distribution and Food Security of Farm Household in Sleman District, Yogyakarta	615
	Jangkung Handoyo Mulyo and Sugiyarto	
55.	Market Performance of Red Chili Through Spot Auction System in Yogyakarta Province	625
	Ebban Bagus Kuntadi and Jamhari	
56.	Marine Fisheries Sector Economic : Potential and Coastal Area Development Disparities North South East Java	639
	Totok Hendarto	
57.	Utilization Efficiency Yards Some Economic Aspects of The Revised	659
	Irine Indrawati Syaifullah	
58.	An Analysis on Financial Farming Effort Worthiness of Pisang Kepok (Musa paradisiaca L. cv. Kepok) in Malinau Seberang Village, Sub – District North Malinau, Malinau District	673
	Hendris	
59.	Financial Analysis of Cattle Breeding Farm in Sleman District	681
	Shanti Emawati and Endang Tri Rahayu	
60.	Impact of Elimination of Automatic Detention on Cocoa Production Indonesia	689
	Arum Putranti and Joni Murti Mulyo Aji	
61.	Significance of Informal Cross Border Trade Indonesia and Malaysia for Agricultural Commodities Development In Nunukan Regency, East Kalimantan	697
	Kuntoro Boga Andri	
62.	Tax Policy on Exports of Crude Palm Oil Products in Indonesia: Challenges and Dilemmas	707
	M. Abd. Nasir , Ciplis Gema Qo'riah , Yulia Indrawati , Adhitya Wardhono , and Satrio Wicaksono	
Social	l and Institutional Studies	

63. Implementation of SRI (System of Rice Intensification) for Increasing

Paddy Production and Smallholder Self Sufficiency

Luh Putu Suciati and Bambang Juanda

715

64.	Malaysian Paddy Farmers Awareness and Perception towards (System of Rice Intensification (SRI): A Preliminary Study	727
	Nolila Mohd. Nawi and Siti Samiha Zainal	
65.	Farmers' Entrepreneurship As New Approach to Increace Farm Performance: Empicical Study on Chili and Rice Farming at Sleman Regency	739
	Darmadji	
66.	An Integrated Institutional Development Based on Indigenous Knowledge for Rural Poverty Allevation	757
	Yekti T. Utami ; TioNugroho; AyuNurfauziyah; and Mochammad A. Junaidi	
67.	Analysis of Participants' Satisfaction under Contract Farming: A Case of Peanut Farming in Lombok Island	775
	I Gusti Lanang Parta Tanaya	
68.	Enhance Industrial Competitiveness through Improved Ylang Essential Oil Quality and Synergy Among Members of The Cluster	789
	Dyah Erni Widyastuti , Sukardi , Vina Salviana DS , Rahmad Dwi S., Tutik Sulistyowati	
69.	Rural Credit Market and Institutional Transformation: Evidence From Jember Regency, East Java, Indonesia	801
	Adhitya Wardhono	
70.	Tenurial Reform as Alternative Conflict Management and to Alleviate Poverty of Coffee Smallholders Plantation in Rural Community	811
	Mustapit	
71.	Factors of Smallholders Coffee Farmers' Implementation in Diversification Postharvest in Jember Regency	821
	Sudarko	
72.	The Role of Social Capital in Improving The Dynamics of Farmer Groups	829
	Sri Subekti , Mudiyono and Sri Peni Wastutiningsih	
73.	The Behaviour of Woman Cigarette Consumen (Qualitative Study Of Woman Active Smoker)	839
	Dewi Rokhmah	
74.	Determinant of Exchange Rate and Institutional Rice Farmer	847
	Sugeng Raharto, and Vuli Hariyati	

75.	Adopter Category and Preference of Information Source on The Adoption of Herbal Feed Additive on Broiler Farm	857
	Ayu Intan Sari	
76.	Communication Strategy in Agribusiness Extension	865
	MC Ninik Sri Rejeki	
77.	The Role of Organization Involved in the Public Forest Resource Management at Kemiri Village, Panti Subdistrict	873
	Diah Pusnaningrum	

## **FOREWORD**

Since first introduced by Goldberg and Davis in 1957, agribusiness which is generally defined as the summation of all process involved in the manufacture and distribution of farm inputs; production operations on farm produce; including the storage, processing and distribution of farm commodities and the items made from them; has been growing as a body of knowledge which gradually evolves in both theory and practice.

As a part of the agribusiness system, marketing of food and agricultural products is recognized an important process dealing with handling and distributing the products from farms to forks. Various activities are involved in doing this, such as production planning, growing and harvesting, grading, packing, transport, storage, agro- and food processing, distribution, and sale. These activities are dynamic; they are competitive and involve continuous change and improvement.

Marketing activities cannot take place unless there are information exchanges. The success of marketing is also often heavily dependent upon the economies of scale and availability of suitable finance. Not surprisingly, small holders often face difficulties to get 'right price' in marketing their products as they do not have a proper access to bring their product to the 'right place' or their prospective customers.

Especially nowadays when the structure and governance of agri-food markets are changing rapidly, the smallholders are often left behind and marginalized. Trade liberalization policies in domestic and international markets are key drivers of these changes that lead to globalizing food chains. Stricter standards in term of product quality and market requirements such as supply reliability and scale of delivery bring about new challenges for agri-food producers, particularly for small farmers in developing countries. These daunting challenges have inspired us set up this event.

The International Conference on Agribusiness Marketing (ICAM) aims to explore and map various opportunities for agri-food industry especially in emerging markets within the internationally-integrated and globalized economic environment while identify challenges likely to be faced.

The papers in this proceedings were presented in the ICAM which was held in Jember University, Jember, East Java, Indonesia from 25 to 26 June 2012. It consists of papers from the keynote speakers and more than 70 contributed papers from the conference attendances. Finally, it is expected that all papers and outcomes produced in this conference can contribute, both theoretically and practically, to the future of agribusiness and marketing of agricultural products especially in the developing world.

Evita Soliha Hani The ICAM Chairperson This page intentionally left blank

### KEYNOTE SPEAKER

## JEMBER UNIVERSITY RECTOR'S OPENING SPEECH

For the International Conference on Agribusiness Marketing 2012 Jember, 25 – 26 June 2012

Guests of Honour,

Prof. Dr. Mad Nasir Shamsudin, Prof. Zainal Abidin Mohamed and delegates from Universiti Putra Malaysia,

Dr. Marthin Nanere, from La Trobe University, Australia

Distinguished speakers, Drs. M. Taufik Hidayat and Prof. Dr Rudi Wibowo, MS

Colleagues,

Ladies and gentlemen,

Assalamu'alaikum Wr. Wb.

It is my pleasure to speak to you today on the occasion of this International Conference on Agribusiness Marketing 2012.

First of all, I would like to extend my warmest welcome to all of our eminent speakers and the distinguished participants, especially those who have travelled long distances to be present here today. I would also like to thank the Conference Committee and Faculty of Agriculture for hosting this highly meaningful event here in Jember University.

I believe that this event is highly meaningful as agribusiness marketing is an interesting topic. It consists of two important concepts, i.e., agribusiness and marketing.

Agribusiness which is literally formed by two distinctive words agriculture and business is undoubtedly two important sectors for human beings, as without business in agriculture, it is impossible to feed 7 billion people who live in the world now. That's why this university concerns and commitment to agriculture is high, and the development of agro-industry has been the ultimate goal in our vision. As stated in our statute, the vision of Jember University is to become an (internationally) qualified higher education with environment orientation and ability to develop science, technology, and art for the benefit of humanity, which is more specifically directed to the development of agro-industries.

Marketing, which literally means the process through which goods and services move from producers to the consumers or customers, is undoubtedly important concept as nowadays, it is almost impossible for human being to meet all of their needs without the role of marketing.

As an integrated concept, agribusiness marketing is inevitably important since it is the process by which food and or food products are transferred from farmers, as food growers, to us as food consumers. The process of marketing itself generally makes food or food products become more accessible for us. It consequently often relates to food accessibility and thus food security. Failure in food marketing or marketing systems, nowadays often called as food supply chain management, may create hunger in any part of the world.

Moreover, as mentioned in the introduction of this conference, in the modern and globalised markets, I can see that agribusiness marketing is becoming more and more complex. The success of marketing is also often heavily dependent upon the economies of scale and availability of suitable finance. Supermarket and minimarket chains become increasingly dominant in the food

marketing and distribution. The consequence of this, of course, farmers and small holders often face more problems if they cannot adjust with the situation.

I believe that our eminent speakers will explore and talk more about it, and have some solutions so that farmers and or smallholders can get access to the right market.

Ladies and Gentlemen,

It is my sincere hope that this International Conference on Agribusiness Marketing (ICAM) 2012 will prove to be a useful occasion to better understand agribusiness marketing as well as the emerging concepts of supply chain management; identify the threats and opportunities posed by small holders or farmers particularly in developing countries like Indonesia, evaluate the agribusiness itself as well as physical, social and policy environment surrounding the business in order to give better access and facilitate smallholders' participation in modern and globalised markets. In closing, I would like to once again extend my gratitude to all the participants and I look forward to a most successful and fruitful conference.

Finally,

By mentioning Bismillahirrahmanirrahim, In the name of Allah, the beneficent the merciful, I would formally open the International Conference on Agribusiness Marketing 2012. Thank you.

Wassalamu'alaikum Wr. Wb.

Jember, 25 June 2012 Rector of Jember University

Drs. Moch. Hasan, M.Sc., Ph.D.