

## Paper Submission Status for the 3rd AIC & the 2nd ICMR 2013

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Dear Authors,

Thank you in advance for your participation in the 3<sup>rd</sup> AIC & the 2<sup>nd</sup> ICMR conference. We decided the papers in three (3) categories: abstract accepted status, full papers revised status, and full papers accepted status. Here, I am sending the list of Abstract and Full Paper Status (please find attachment). Make sure that you do not miss your paper in the list.

Noted:

- 1). The abstract accepted status, if you wish your contributions to the 3<sup>rd</sup> AIC & the 2<sup>nd</sup> ICMR conference, you are pleased to send full paper in the correct format.
- 2). In the case of full papers revised, each full paper must be duly corrected by yourself. We look forward to receiving your revised paper. If we do not have your revised full paper by then, we regret that we will have to leave your paper(s) out from the 3<sup>rd</sup> AIC & the 2<sup>nd</sup> ICMR conference.

Both the abstract accepted status and the full paper revised status, you are pleased to send the full paper in the correct format by email to **[bioscience@aic.unsyiah.ac.id](mailto:bioscience@aic.unsyiah.ac.id)** before **September 8, 2013**.

- 3). For all full papers accepted, to be loaded in the proceeding, you are pleased to pay the proceeding(s) order. After getting the bank transfer receipt, please send a copy of the bank transfer receipt to Dr. Darwanis by email: [finance@aic.unsyiah.ac.id](mailto:finance@aic.unsyiah.ac.id)

The conference program and details of your presentation schedule (date and time) will be made known after **September 8, 2013**.

If you have any further enquiries, please do not hesitate to contact us.

Kindly visit the conference website <http://www.aic.unsyiah.ac.id/call4papers.php> for any update, and see you in Banda Aceh.

Best regards,

Dr. drh. Darmawi, M.Si.  
Editor in Chief



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**Dikirim:** Kamis, 12 September 2013 23:30

**Judul:** Time Schedule of Bioscience the 3rd AIC & the 2nd ICMR conference 2013



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**TIME SCHEDULE**  
**3<sup>rd</sup> ANNUAL INTERNATIONAL CONFERENCE SYIAH KUALA UNIVERSITY (AIC - UNSYIAH) 2013**  
**IN CONJUNCTION WITH**  
**2<sup>nd</sup> INTERNATIONAL CONFERENCE ON MULTIDISCIPLINARY RESEARCH (ICMR) 2013**  
**Kopelma Darussalam – Banda Aceh 23111, Indonesia. OCTOBER 2-4, 2013**

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**I. General Schedule**

Day/Time	Activities	Place
<b>Participants Arrival – Tuesday, October 1, 2013</b>		
14.00 – 18.00	Check in Hotel	Hotel Sultan Hotel Harmes Etc.
<b>Conference Day I - Wednesday, October 2, 2013</b>		
08.00 – 09.00	Registration	AAC Dayan Dawood – VIP Room
09.00 – 10.00	Opening Ceremony	AAC Dayan Dawood - Hall
10.00 – 10.30	Refreshment	AAC Dayan Dawood - Lobby
10.30 – 11.00	Keynote Speaker 1 -	AAC Dayan Dawood - Hall
11.00 – 11.30	Keynote Speaker 2 -	AAC Dayan Dawood
11.30 – 12.00	Keynote Speaker 3 -	AAC Dayan Dawood
12.00 – 12.30	Keynote Speaker 4 -	AAC Dayan Dawood
12.30 – 13.00	Keynote Speaker 5 -	AAC Dayan Dawood
13.00 – 14.00	Lunch	AAC Dayan Dawood
14.00 – 16.00	Parallel Session I	Parallel session rooms (Kamboja Room 1 – 5)
16.00 – 16.30	Refreshment	Parallel session lobby
16.30 – 18.00	Parallel Session II	Parallel session rooms (Kamboja Room 1 – 5)
18.00 – 19.00	Break	
19.00 – 21.00	Well Coming Dinner	Tentative
21.00 – 21.30	Back to Hotel	
<b>Conference Day II - Thursday, October 3, 2013</b>		
08.00 – 08.30	Registration	
08.30 – 10.00	Parallel Session III	Parallel session rooms
10.00 – 10.15	Refreshment	Parallel session rooms
10.15 – 12.15	Parallel Session IV	Parallel session rooms
12.15 – 14.30	Lunch - Praying	Parallel session rooms
14.30 – 15.30	Parallel Session V	Parallel session rooms
15.30 – 15.45	Refreshment	Parallel session rooms
15.45 – 16.45	Parallel Session VI	Parallel session rooms
16.45 – 17.30	Closing ceremony	
	Farewell dinner	Tentative
<b>Tsunami City Tour – Friday, October 4, 2013</b>		
09.00 – 12.00	Tsunami city tour	Committee
12.00 – 15.00	Grand mosque visit, praying, lunch & shopping	Mesjid Raya Baiturrahman
15.00 – 17.00	Handy craft and home industry visit	Tentative
17.00 – 17.30	Back to Hotel	Hotel
<b>Saturday, October 5, 2013</b>		
09.00 – 10.00	Check out	Hotel, wisma
10.00 – 11.00	To airport	
12.00 – 14.00	Departure	Airport

## BIOSCIENCES PARALLEL SESSION

Wednesday, October 2, 2013			
Room	Time	Title	Authors
A	14.00-15.30	Production optimization of clones slow starter IRR 42 application through stimulant etefon	Yayuk Purwaningrum, Junaidi and Lollie Agustina
		Utilization of thermophilic cellulolytic bacteria isolates and <i>Trichoderma harzianum</i> fungi on rice strow composting	Dini Mufriah and Rini Sulistiani
		Biochar residual effects and NPK fertilization on soil chemical properties and yield of rice ( <i>Oryza sativa</i> L.) from third season planting	Mawardiana, Sufardi, Edi Husen
		Synthesis and characteristic bioadditive of rubber seed oil as low pour point biodiesel CPO	Misdawati, Muslih Nasution, Syafiruddin
		Response of growth and production of rice varieties caused by application amendment straw Bokashi and specific location of fertilization in salin soil	Rini Sulistiani, Dini Mufriah
		Maintaining viability of rubber shelled seed for storage of 16 days period by polyethylene glycol 6000 treatments	Charloq, Zulkifli Lubis, Tumpal H. Siregar, Sengly B. Damanik, Elisa J Husni M, Yazid A
<b>Coffee Break</b>			
A	16.00-17.30.	Optimization of latex production on rubber slow starter clones IRR 42 through application of multiple exploitation system	Murni Sari Rahayu and Nurhayati
		Isoflavone characters of three soybean varieties under drought stress with application of nitrogen sources	Yaya Hasanah, Tengku Chairun Nisa, Hapsoh, Hamidah Hanum
		Effect of indigenous mycorrhizal fungi on organic osmotic adjusment in soybean under salt stress	Nini Rahmawati, Rosmayati, Delvian, and Mohammad Basyuni
		Population dynamics of <i>Myzus persicae</i> (Sulzer) on intercropping potatoes with other plants on Karo Highland	Lamria Sidauruk, Darma Bakti, B.Sengli J. Damanik, and Retna Astuti Kuswardani
		The impact of differences planting date against morphological characters of some wheat genotype in Berastagi of Karo District	Dafni Mawar Tarigan, Rosmayati, Chairani Hanum, Lollie A. P. Putri
		Morphology and physiology characteristic of some varities of rice under salinity stress	Wan Arfiani Barus, Abdul Rauf, B. Sengli J. Damanik and Rosmayati

### BIOSCIENCES PARALLEL SESSION

Thursday, October 3, 2013			
Room	Time	Title	Authors
A	8.30-10.00	The effect of inclination bench and intermittent mist on the growth and production of Anthurium plant ( <i>Anthurium andraeanum</i> )	Elly Kesumawati
		Appearance, texture and flavour improvement of chocolate bar by Virgin Cococnut Oil (VCO) as Cocoa Butter Substitute (CBS)	Eti Indarti, Normalina Arpi, Heru P Widayat dan Ashabul Anhar
		Reading the pleiades star to forecast the rain: etno-astronomy of smallholder farmers in Kisar Island-Southwest Maluku	Heryanus Jesajas and Brury Tumiwa
		Phytoremediation potential of an aquatic weed, <i>Eichornia crassipes</i> , in crude oil contaminated sites	O. Omokeyeke, F.D. Sikoki and E.O Nwachukwu
		The distribution and zonation of barnacles around intertidal shores of Penang Island	Nurul Hayati Hashim Amir, Anita Talib, Omar Ahmad and Khairun Yahya
		Benthic mollusc assemblages in subtidal coastal waters of Penang National Park, Malaysia	Alianie Mustaffa, Omar Ahmad, Vararin Vongpanich, Anita Talib and Khairun Yahya
		<b>Coffee Break</b>	



### BIOSCIENCES PARALLEL SESSION

Thursday, October 3, 2013					
Room	Time	Title	Authors		
A	10.15-12.30	An updated checklist of the herpetofauna of the Belum-Temengor forest reserves, Hulu Perak, Peninsular Malaysia	Amirah Hurzaid, Mohd Azmeer Abu Bakar, Dionysius Sharma, Nurolhuda Nasir, Reuben Sharma, Ahmad Ridzuan Yeop Aznan and Ibrahim Jaafar		
		Isolation and identification of microalgae as omega-3 sources from mangrove area in Aceh Province	Sri Haryani Anwar, M. Ikhsan Sulaiman, Syarifah Rohaya, Novi Safriani		
		Study of mangrove vegetation as costal area protector in Banda Aceh and Aceh Besar after tsunami disaster	Feri Suryawan		
		Analysis of thermocline development in the Persian Gulf	Ganj M., Mosaddad S. M.		
		Near-real-time biomonitoring of heavy metals using the xenoassay® system	Shukor M.Y., Masdor, N.A., Halmi, M.I.E., Kamaruddin, K. and Syed, M.A.		
		Uptake of polycyclic aromatic hydrocarbons by the fingerlinks of <i>Oreochromis niloticus</i> (Linnaeus, 1757) from the dispersed phase of bonny light crude oil	Lelei, K.E. and Sikoki, F.D		
		Application of groundwaters and its effect on environment: a case river in Iran	Mosaddad S. M., Ganj M.		
		Growth, FCR, SR in rearing juvenile tiger grouper ( <i>Epinephelus fuscoguttatus</i> (Forsskål, 1775)) with different salinity	Abdullah A. Muhammadar, A. Ghaffar Mazlan, Abdullah Samat, and K. Das Simon		
<b>Lunch-Praying</b>					
A	14.00-15.30	The acceptance and nutrients of traditional food "enbal" from Kei Islands.	Tumiwa B.B, and E.J. Tapotubun		
		Optimum allocation unit catching small pelagic fish in the water in Kei Island Southeast Maluku	Tahapary, J and Bruri. B. Tumiwa		
		Efficiency analysis using cassapro in nila and mujair	Indrawaty Sitepu		
		Microbial contamination on beef trade in wet markets of Lambaro, Sigli, and Meureudu	Razali, Nurliana, and T. Reza Ferasyi		
		Utilization of viable bone marrow derivat stem cells through an adaption in low oxigen tension as an attempt to increase cellular transplantaion efficacy for spermatogenesis process	Erma Safitri, Suzanita Utama, Candra Bumi, Sri Wigati Mardi Mulyani, Helen, Purwati, R. Heru Prasetyo, Mas'ud Hariadi, Fedik Abdul Rantam		
		Histopathological Changes in Intestine of Chicken ( <i>Gallus domesticus</i> ) Infected Naturally by <i>Ascaridia galli</i>	Ummu Balqis, Muhammad Hambal, Cut S. Utami		
		<b>Coffee Break</b>			

## BIOSCIENCES PARALLEL SESSION

Thursday, October 3, 2013			
Room	Time	Title	Authors
A	16.00-17.30	Microorganisms on surface culture of injection port of IV sets and its implication to infection control	Gloria Shiela E. Coyoca, BSMT, RN, MAN, Verna Shamaine A. Ardiente, Loida Jane R. Beniga, Dennie Kate Pasco, Jessa Mae O. Yuson
		Comparative Analysis of Asthma Incidence between Breastfed and Bottle-fed Children (Aged 3-7 years old)	Roselyn M. Butalid, Laurence P. Alquiza, Charles Dave P. Calderon and Earlgay Stephanie L. Padilla
		The relationship between maternal anemia of a term pregnancy and neonatal asphyxia in Banda Aceh	Nurjannah, Munawar, Arie Prasetyowati
		Potential hypoglycemic and anticholesterol effect of propolis to prediabetes patient: a clinical trial study	Andi Nilawati Usman, Andi Zulkifli Abdullah, Buraerah Abdul Hakim, Nurhasni Hasan, Andi Ariyandi
		Simulated data of urea of haemodialysis patient using one-compartment model	Nabilah Solehah Ahmad Tamrin, Noorddin Ibrahim
		Effect of an iso-intense continuous and intermittent training programme on $\dot{V}O_2$ max and anthropometric profile of sedentary males	Asok Kumar Ghosh, Nur-Hasanah Ruslan
		<b>Break</b>	

**TIME SCHEDULE**  
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08.30 – 10.00	Parallel Session III	Parallel session rooms
10.00 – 10.15	Refreshment	Parallel session rooms
10.15 – 12.15	Parallel Session IV	Parallel session rooms
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12.00 – 14.00	Departure	Airport

### BIOSCIENCES PARALLEL SESSION

Wednesday, October 2, 2013			
Room	Time	Title	Authors
B	14.00-15.30	The uterine rupture and bladder rupture on A pregnant mother with previous cesarean section after partum management on midwife	Dewi Karlina Rusly, Hilwah Nora, Kartini Hasballah
		Use of <i>bee honey</i> as alternative medicine in protein energy deficiency	R.Heru Prasetyo, Willy Sandhika, and Djoni Susanto
		Self regulation of single mother having child with autism in Banda Aceh	Sitti Wahyuni
		Inhibitory of activity $\alpha$ -glucosidase from ethyl acetate and flavanal compound of the stem-bark of <i>Calophyllum mcrophyllum</i> Scheff	Frengki, Jamilah Abbas and Surya Wati
		The effect of ethanol extract <i>Coleus ambonicus</i> L on antibody titer of white rats ( <i>Rattus norvegicus</i> ) trough SRBC as antigen	Melva Silitonga and Eriana Situmorang
		Asses humoral immunity of wistar strains rats ( <i>Rattus norvegicus</i> L.) which given ethanol extract-buas buas ( <i>Premna pubescens</i> Blume) leaves	Martina Restuati and Restianna Eliawaty Simanjuntak
		<b>Coffee Break</b>	
	16.00-17.30	Analysis of centelloside of pegagan ( <i>Centella asiatica</i> )	Noverita Sprinse Vinolina, Justin A. Napitupulu, Marline Nainggolan and Luthfi A.M. Siregar
		Link between method of delivery and childhood overweight or obesity	Roselyn M. Butalid, Lindy Lou B. Baculio, Ray C. Mendoza II and Jean Florich P. Sarvida
		In-dept review on adherence to therapeutic regimen and well-being among patients with type II diabetes mellitus	Gloria Shiela E. Coyoca, RN, MAN, Hanna Claire P. Bejarasco, Veron Gem T. Dalumbar, Eldon S. Mendoza
		Administration of Dydrogesterone in first trimester of pregnancy will increase the level of PIGF (Placental Growth Factor)	Dewi Karlina Rusly, Kanadi Sumapraja, Rajuddin, Kartini Hasballah
		The potential antioxidant activity of ethanolic extract of Aceh ant-plant ( <i>Mymercodia sp</i> ) on the free radical DPPH(1,1-Diphenyl-2-pikrylhidrazil)	Suryawati, Frengki, Hijra Novia Suardi
		Fall risk among urban community older persons	Mary Joan Therese Valera, RN, MPH
		<b>Break</b>	

### BIOSCIENCES PARALLEL SESSION

Thursday, October 3, 2013			
Room	Time	Title	Authors
B	08.30-10.00	The Effect of aerobics on reducing the pain of dysmenorrhea	Munawar, Nurjannah, Fiki Nurviana
		Statistical findings of time-based stable human aura	Nur Eliza S. Z., Muhazam M., W. A. Wan Mat, Hardy A. A., Elya M. N., Ainsah O., A. Miskon, M. Sharil S.
		Students' metacognitive skill in mathematics learning with cabri geometry II plus	Rahmah Johar, Khalisna, Taufik Fuadi Abidin
		Perception on poisoning among adult urban community members	Mary Joan Therese Valera, RN, MPH
		Analysis between the parental bonding styles and emotional intelligence of student nurses	Roselyn M. Butalid, Karen M. Estacio, Christer Dan C. Gadian and Juneva Ivy U. Sisican
		Barriers to therapeutic regimen adherence of type II diabetes mellitus patients in Iligan City	Gloria Shiela E. Coyoca, BSMT, RN, MAN, Chessa Charmaine Alfeche Chan, Rovelyn Pallega Gallego, Hazel Jade Montes Jamero, Genii Fane Estepa Teves, Vincent G.Tabil, RN, MAN
		<b>Coffee Break</b>	

## BIOSCIENCES PARALLEL SESSION

Thursday, October 3, 2013				
Room	Time	Title	Authors	
<b>B</b>	10.15-12.30	Didekilketon compounds from the leaves of <i>Artocarpus camansi</i> Blanco	Rosnani Nasution, Marianne	
		The Potential Use of Probiotics for Sustainable Aquaculture of Mud Crab, <i>Scylla</i> sp.	Anita Talib, Kwong Kok Onn, Khairun Yahya, Md Arif Chowdhury, Wan Maznah Wan Omar and Wan Mustaffa Wan Din	
		Soil Erosion Modeling For A Microwatershed	Ricson L. Ines and Romeo B. Gavino	
		SEXSMART ON HIV/AIDS AND OTHER SEXUALLY TRANSMITTED DISEASES AMONG TEENAGERS IN ILIGAN CITY	Russell Gregor C. Encabo, Noelie Mae B. Iglupas, Novicel Jean P. Magno, Minnie B. Marnauag RN, MAN, Beaven Andrew A. Atienza, RN, Jan Igor T. Galinato RN, MN	
		IN-DEPTHLOOK: END-STAGE RENAL DISEASE IN ILIGAN CITY	Glendale J. Ascabano, Jane Rose Shiela B. Batutay, Tweettams G. Molarto, Minnie B. Marnauag, Gloria Shiela Coyoca, Clarence Bien L. Nebres, Jessica B. Orias	
		COCKLE (ANADARA GRANOSA): DECLINING PRODUCTION OF COCKLE AND LINKED TO CONCENTRATION OF AMMONIA IN RIVER SG. BULOH	Faizal Riza Abu Hasan, Mohd Fadzil Shuhaimi Ramli, Mohd Nasir Saadon, Muhammad Hakimi Abdullah	
		Faunal composition of ostracodes in the intertidal zones and their adaptation to microhabitats in Indonesia	Insafitri and Takahiro Kamiya	
		Impact of tillage practices and poultry manure on agronomy and economic of spring planted maize ( <i>Zea mays</i> L.)	Hafiz Muhammad Rashad Javeed, Muhammad Shahid Ibni Zamir	
		Effect of seedling number per hill and seedling age on plant growth and grain yield ciharang rice	Yenni Asbur	
	<b>Coffee Break</b>			
	14.00-18.00	Paratuberculosis of camels in Saudi Arabia, Qassim Region	Musaad Ahmad Al-dubaib, Khalid Alkheraije	
		Optimization of soil fertility in the black soybean development through the application of organic fertilizer and anorganic in rainfed wetland	Elli Afrida	
		The utilization of crabs shell waste into high-calcium crackers (kerupuk)	Nilam P. Ruspatti, Rika Lestari, Dewi Yuniati	
		Trends and differentials in female labor force participation in Pakistan	Rehana Asghar, Sabahat Hussain	
		Reactive extraction technique of jatropha seeds ( <i>Jatropha curcas</i> L.) for biodiesel production	Ryan Moulana, Satriana, M. Dani Supardan, Fahrizal, Wirda Aina	
Characteristics of semi-hard cheeses made from cowpeas- and cantaloupe seed-milks produced by fermentation of <i>Mucor miehei</i> NRRL3310		Mariana Wahjudi, Yusnita Liasari, Winda Astuti Soerjawinata, Jessica Devido Sumilat		
PRODUCTION OF BIOHYDROGEN FROM SUGARCANE MOLASSES USING COW DUNG AS		Yusnita Liasari, Akbarningrum Fatmawati, Tjie Kok, Devina Kianto		

	INOCULUM: THE EFFECT OF SUBSTRATE CONCENTRATIONS AND INCUBATION TEMPERATURES	
	THE DIFFERENCE OF STUDENTS ACHIEVEMENT BASED ON SEX WHICH TAUGHT BY USING MULTIMEDIA IN TOPIC OF HUMAN REPRODUCTION SYSTEM	Nanda Pratiwi and Rasyidah
	DIVERSITY AND DISTRIBUTION OF CORTICOLOUS LICHENS ON THE Pinus merkusii TREES IN AEK NAULI FOREST SIMALUNGUN, NORTH SUMATERA	Ashar Hasairin
	Investigation of Root Area Ratio (RAR) of Macaranga tanarius and Acacia mangium on East-West heighway slope, Malaysia	Habibah Lateh, Nazi Avani, Ghassem Habibi Bibalani
	A study on dielectric properties of palm oil, sesame oil and their binary blends by impedance spectroscopy	Novia M. Erfiza, Kiyohiko Toyoda
	BACTERIAL CONCRETE	Dr. Asmita Das, Shri. Amit Kumar Shrivastava ,Parnnika and <sup>2</sup> Harshal Himthani
	Salinity Stress Simulation on Acehnese Local Rice (Oryza sativa L.) with NaCl in The Method of In vitro Germination	Efendi, Syafruddin, Syamsuddin, and Hasanuddin
	Correspondence for Philippine Healthcare Delivery System: RN HEALS Job Satisfaction on Patient Satisfaction	<u>Gloria Shiela E. Coyoca, BSMT, RN, MAN, Lamayan, Lorraine Faye C. Pedrigosa, Jimmart R., Sanguila, Shariff Hussein Syedush Shuhada L, Silang, John Paul T. RN, MAN, Mamauag, Minnie B.,RN, MAN</u>
	<b>Break</b>	




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Status (choice one) :  International Participant  
 International Student Participant  
 National Participant (Indonesian only)  
 National Student Participant (Indonesian student only)

Intend to present at conference (choice may more than one):

Oral Session  
 Poster Session

Paper would be published in:

Conference Proceedings  
 Book of abstracts (abstract only)  
 International Journal of AACL Bioflux (Aquatic sciences only)  
 Aceh International Journal of Science & Technology  
 Aceh International Journal of Social Sciences  
 Jurnal Depik (Aquatic sciences only)  
 No Publication

Proceedings Order :  Yes  
 No

Date: 29 Agustus 2013

Signature: 





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AAC Dayan Dawood, Darussalam - Banda Aceh, Indonesia  
October 2-4, 2013

**LIFE SCIENCES CHAPTER**



**Editors:**

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## **Utilization of viable bone marrow derivat stem cells through an adaption in low oxigen tension as an attempt to increase cellular transplantation efficacy for spermatogenesis process**

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**Abstract.** Cellular transplantation using stem cells provides very promising solutions in the regeneration and repairment of cells that have experienced degeneration where recovery through medical or surgical intervention is impossible. However, the very low viability of transplanted stem cells limits the transplantation efficacy. The aim of this research was to obtain viable bone marrow derived stem cells by an adaptation treatment in a low oxygen tensioned in vitro culture. Low oxygen tension adaptation was adjusted to the niche of the stem cells in vivo. In this study, in vitro culture of stem cells in 1% oxygen was compared to those of the conventional culture in 21 % oxygen. Results showed that under 1% oxygen tension cell proliferation was slower with larger or rounded triangle shaped cells, and senescence or dead cells was low. Meanwhile under 21 % oxygen tension cell proliferation was two fold faster with flattened and slender cells, and senescence or dead cells was higher. In conclusion, conventional in vitro culture under 21 % oxygen caused cell aging (senescence) and rapid cell death, therefore the transplanted cells were not viable.

**Key words:** Stem cells, bone marrow, low oxygen tension, viability.

### **Introduction**

Infertility case particularly oligospermy is the most frequent case in male reproductive disorder. In the most severe stage, this case could be followed with mono- as well as bilateral pathological changes of both testis (Hafez, 2000; Schlatt et al., 2002). Unfortunately regeneration that is possible to occur, even though in a long period of time, could only succeed if there are remaining normal spermatogonia cells in the seminiferous tubules. However the regeneration ability becomes very limited to replace the degenerating cells.

Cell therapy using bone marrow derived stem cells provides a very promising solution in the case of regenerating and restoring germ cells and testis tissues undergoing degeneration where recovering through medical or surgical intervention is impossible (Blanchard et al., 2008). However, the low viability of the transplanted stem cell in degenerative testis to differentiate into spermatogonia cells causes the limitation of the efficacy of this therapy (Kenichiro et al., 2005; Tang et al., 2005). A study on stem cell by Geng (2003) revealed that 99 % of the stem cells injected died four days after



injection. This indicates that microenvironment in the degenerative tissue or body organs is not conducive for the stem cells' survival. The estimated mechanism accounted for the decreasing function of stem cells are the high amount of the stem cells undergoing senescence and death along with the decreasing capacity to adhere and differentiate. Therefore the increase of the implanted stem cells' survival became important to increase the efficacy of stem cell therapy.

Therefore adaptation of the stem cells during in vitro culture adjusted to the in vivo niche of the stem cell need to be conducted in an attempt to increase viability at the time of transplantation to oligospermia patient through the low oxygen tension preconditioning during culture.

## **Material and methods**

### ***Procedure bone marrow derived stem cell isolation & culture (Rantam et al., 2009)***

Rabbit was anesthetized at the coxigea area. Stem cell was harvested by an aspiration of bone marrow at the middle of femur bone below the condylus. Aspirate was placed in heparinized tubes. Sample in tube was placed in thermos maintained at 4°C during transportation to laboratory to be processed.

Aspirate was transferred into 15 ml sterile blue capped tubes then tube was rinsed twice with 5 ml sterile Phosphate Buffered Saline (PBS). PBS was topped up to a total volume of 8 ml. Diluted sample was loaded over a same volume of Ficoll in a separate 15 ml tube. Centrifugation was performed at 1600 rpm for 15 minutes at room temperature. After centrifugation cells were collected from Ficoll-PBS interface using sterile pasteur pipette and transferred into 15 ml tube. Cells were then resuspended in PBS up to a total volume of 15 ml. Tube was inverted gently 5 times to homogenize the suspension. Tube was then centrifuged again at 1600 rpm for 10 minutes. Supernatant and floating cells were discarded and cell pellet was resuspended in 6 ml of  $\alpha$  MEM prior to incubation. Cells were plated in 10 cm<sup>2</sup> plates and incubated at 37°C in a humidified atmosphere containing 5% CO<sub>2</sub> for 24 hours to let the cells adhere. After 24 hours, media and non-adherent cells were discarded. Adherent cells were rinsed twice using 5 ml of PBS. Ten ml of fresh  $\alpha$  MEM was then added into dish and the dish was returned into the incubator. Culture was observed daily under an inverted microscope. Every 4 days medium was changed, preceded by a rinse using 10 ml PBS then 10 ml of fresh  $\alpha$  MEM were replaced. Culture was continued until approximately 75-80% confluence was attained. After confluence, cells were passaged into several dishes for subculture. Passage was conducted 3 times, then cells were divided into two low oxygen tension treatments of 1% in hypoxia chamber inside 5% CO<sub>2</sub> incubator while another treatment was the use of 21% oxygen (conventional culture).

## **Results and discussions**

Results of this research showed that under low oxygen tension of 1%, cells proliferated slower, cells looked bigger and round, formed triangle shape with fewer cells undergoing senescence or death; meanwhile under 21% oxygen tension cells proliferated twice as fast with flat and slender shaped cells with more cells undergoing senescence or even dead (Figure 1-6).

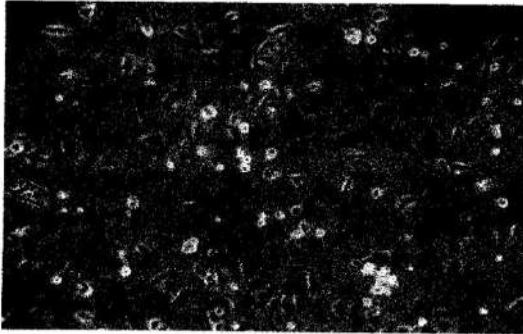


Figure 1. Two hours after incubation under 1% O<sub>2</sub>. Proliferation was slower, cells were enlarged, rounded and formed triangle shapes (red arrow head) with fewer cells undergoing senescence and dead (black arrow head); (400 x magnification).

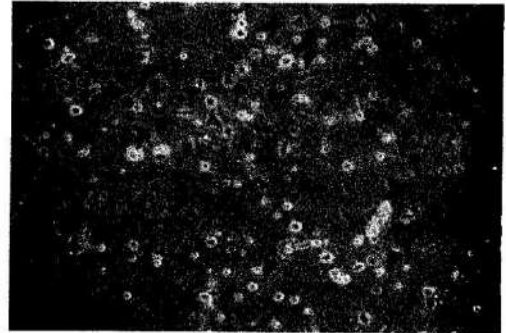


Figure 2. Two hours after incubation under conventional 21% O<sub>2</sub> tension. Proliferation was faster, cells were flat and slender (red arrow head) with more cells undergoing senescence and dead (black arrow head); (400 x magnification).

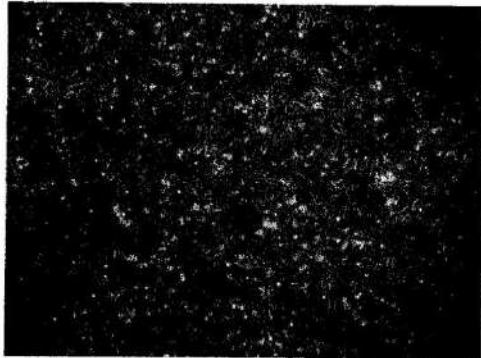


Figure 3. One day after incubation under low 1% O<sub>2</sub>. Proliferation was slower and cells were larger; (400 x magnification).

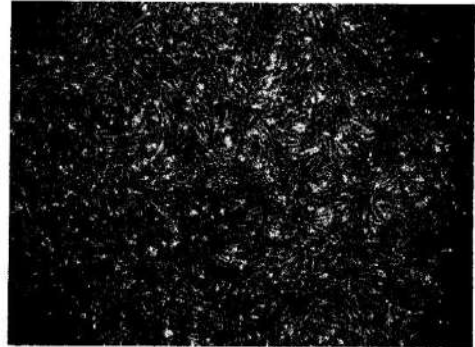


Figure 4. One day after incubation under conventional 21 % O<sub>2</sub>; Proliferation was faster, cells were flat, slender and elongated; (400x magnification).

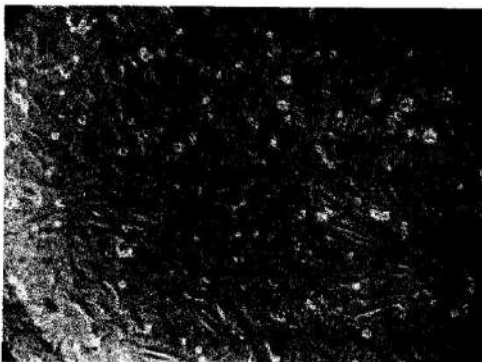


Figure 5. Two days after incubation under low 1 % O<sub>2</sub>. Proliferation was slower and cells were larger; (1000 x magnification).

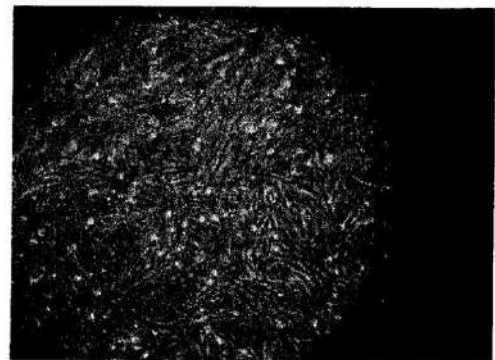


Figure 6. Two days after incubation under conventional 21 % O<sub>2</sub>. Proliferation was faster, cells were small, flat and confluency was rapidly attained ; (1000 x magnification).

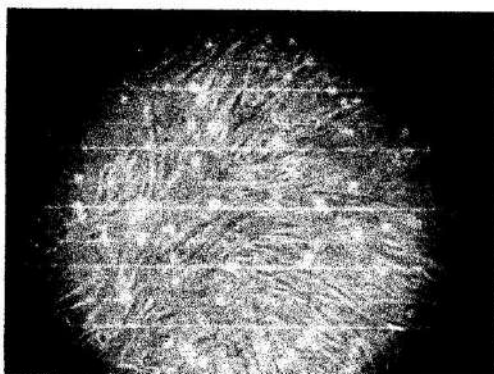


Figure 7. Three days after incubation under low 1 % O<sub>2</sub>. Proliferation was slower and cells were larger; (1000 x magnification).

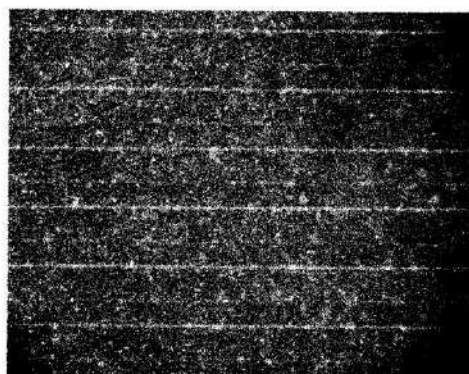


Figure 8. Three days after incubation under conventional 21 % O<sub>2</sub>. Proliferation was faster, cells were small, flat and confluency was rapidly attained; (1000 x magnification).

From the result of this research it could be explained as follows: that low 1% oxygen tension applied affected HIF-1 $\alpha$  release from van HoutpeldLindau (vPL) and accumulated in nucleus. The high level of HIF-1 $\alpha$  would inhibit Reactive Oxygen Species (ROS) that acted as free radical. The inhibition of ROS would inhibit the expression of protein genes P53 and P21. Therefore, cell cycle arrest genes were sensitized, which ended up with slow proliferation and maintenance of stem cells. This maintenance was also supported by the reduced ROS by the role of HIF-1 $\alpha$  therefore p53 gene expression was inhibited. The inhibition of p53 gene expression caused an inhibition of the opening of mitochondrial membrane pore. Therefore, cytochrome C that acted as apoptotic protease activating factor-1 (APAF-1) caused inhibition of the release of various caspases (Caspase 9 and Caspase 3) as apoptotic cascade. The inhibition of P53, cytochrome C and caspases would cause the inhibition of cell death of the cultured stem cells. Meanwhile, the decreased P21 caused an inhibition of the active cycling cell which prevented cell senescence process from happening. The inhibition of cell death and senescence caused the stem cell proliferation to become slower and also making the speed of cell culture reaching confluency slower.

### Conclusions

From the research results, it could be concluded that conventional in vitro culture using 21% O<sub>2</sub> caused cells to undergo senescence and die faster. Therefore, the transplanted stem cells were not viable. Meanwhile, in the use of low oxygen tension at 1% concentration cells were more viable because of the slower senescence and did not die.

### References

- Cavallini G. 2006. Male idiopathic oligoasthenoteratozoospermia. *Asian J Androl.* 2006. 8(2): 143-157. doi: 10.1111/j.1745-7262.2006.00123.x (<http://dx.doi.org/10.1111%2Fj.1745-7262.2006.00123.x>). PMID 16491265 (<http://www.ncbi.nlm.nih.gov/pubmed/16491265>)

- Geng YJ. 2003. Molecular Mechanisms for Cardiovascular Stem Cell Apoptosis and Growth in the Hearts with Atherosclerotic Coronary Disease and Ischemic Heart Failure. *Science. Ann NY Acad* 1010:687-697.
- Hamanaka RB and NS Chandel. 2010. Review. Mitochondrial Reactive Oxygen Species Regulate Cellular Signaling and Dictate Biological Outcomes. 0968-0004/\$ - see front matter ©2010 Elsevier Ltd. All rights reserved. DOI: 10.1016/j.tibs.2010.04.002. *Trends in Biochemical Sciences* 35(2010). 505-513.
- Rantam FA, Ferdiansyah, Nasronudin and Purwati. 2009. *Stem Cell Exploration. Methods of Isolation and Culture*. First Ed. Airlangga University Press. Surabaya
- Suda T, K Takubo, and GL Semenza. 2011. Cell Stem Cell Review. Metabolic Regulation of Hematopoietic Stem Cells in Hypoxic Niche. DOI: 10.1016/j.stem.2011.09.010. *Cell Stem Cell* 9, Oct 7, 2011 ©2011 Elsevier Inc. 296-310.
- Takubo K, N Goda, W Yamada, H Iriuchishima, E Ikeda, Y Kubota, S Haruko, RS Jhonson, A Hirao, M Suematsu and T Suda. 2010. Regulation of the HIF-1 Level is Essential for Hematopoietic Stem Cells. *Cell Stem Cell* 7. Article. Sept 3, 2010 ©2010 Elsevier Inc. 391-402.