

ISSN: 1755-6783

Internationally journal

indexed

The journal is registered with the following abstracting partners: Baidu scholar, CNKI, EBSCO Publishing's Electronic databased, Google Scholar, National Library, ProQuest, and African Index Medicus.

It is indexed with DOAJ, EMASE, ESCI, Index Copernicus, Scimago Journal Ranking, and SCOPUS

Impact factor for 2018: 2.75



# 6

Biometric parameters dominantly affecting refraction status due to changes in blood glucose level in diabetes mellitus patients  The effect of Mangosteen (Garcinia mangostana) Pericarp extract on retirioblastoma cell culture proliferation Comparison of aqueous levels of interleukin-6 between 1% prednisolone acetate, 0.1% nepafenac and 0.1% diclofenac in endotoxin-induced-uveltis rat model Topical medication compliance among patients with normal tension glaucoma at the Saiful Anwar Hospital, Malang  Smoking: in local wisdom and social environment perspective Epiphyte Tea (Scurrula atropurpurea) (Blume) leaf extract increases Caspase 9 and Caspase 3 expression in cultured HeLa cells  Psychosemantic analysis of a leader's image in the everyday consciousness of adolescent boys and girls  Features of gnostic functions in the elderly people suffering from dementia  Virtual professional practice for teachers of the deaf "diagnosis of development options of young children with impaired hearing Reproductive behavior of Russians: Sociodemographic aspect Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class Ill mallocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies  Development of children with disabilities in the process of music lessons using digital technologies  Development of children with disabilities in the process of music lessons using digital technologies  Development of children with disabilities in the process of music lessons using digital technologies	Title	Page
status due to changes in blood glucose level in diabetes mellitus patients The effect of Mangosteen (Garcínia mangostana) Pericarp extract on retinoblastoma cell culture proliferation Comparison of aqueous levels of interleukin-6 between 1% prednisolone acetate, 0.1% nepafenac and 0.1% diclofenac in endotoxin-induced-uveitis rat model Topical medication compliance among patients with normal tension glaucoma at the Saiful Anwar Hospital, Malang Smoking: in local wisdom and social environment perspective Epiphyte Tea (Scurrula atropurpurea) (Blume) leaf extract increases Caspase 9 and Caspase 3 expression in cultured HeLa cells  Psychosemantic analysis of a leader's image in the everyday consciousness of adolescent boys and girls  Features of gnostic functions in the elderly people suffering from dementia Virtual professional practice for teachers of the deaf "diagnosis of development options of young children with impaired hearing Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabis: A cross-sectional study Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies		_
diabetes mellitus patients The effect of Mangosteen (Garcinia mangostana) Pericarp extract on retinoblastoma cell culture proliferation Comparison of aqueous levels of interleukin-6 between 1% prednisolone acetate, 0.1% nepafenac and 0.1% diclofenac in endotoxin-induced-uveitis rat model Topical medication compliance among patients with normal tension glaucoma at the Salful Anwar Hospital, Malang Smoking: in local wisdom and social environment perspective  Epiphyte Tea (Scurrula atropurpurea) (Blume) leaf extract increases Caspase 9 and Caspase 3 expression in cultured HeLa cells  Psychosemantic analysis of a leader's image in the everyday consciousness of adolescent boys and girls  Features of gnostic functions in the elderly people suffering from dementia  Virtual professional practice for teachers of the deaf " diagnosis of development options of young children with impaired hearing Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissue, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies	, , ,	3000-18
The effect of Mangosteen (Garcinia mangostana) Pericarp extract on retinoblastoma cell culture proliferation Comparison of aqueous levels of interleukin-6 between 1% prednisolone acetate, 0.1% nepafenac and 0.1% diclofenac in endotoxin-induced-uveitis rat model Topical medication compliance among patients with normal tension glaucoma at the Saiful Anwar Hospital, Malang Smoking: in local wisdom and social environment perspective Epiphyte Tea (Scurrula atropurpurea) (Blume) leaf extract increases Caspase 9 and Caspase 3 expression in cultured Heta cells  Psychosemantic analysis of a leader's image in the everyday consciousness of adolescent boys and girls  Features of gnostic functions in the elderly people suffering from dementia  Virtual professional practice for teachers of the deaf " diagnosis of development options of young children with impaired hearing Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies	_	
proliferation Comparison of aqueous levels of interleukin-6 between 1% prednisolone acetate, 0.1% nepafenac and 0.1% diclofenac in endotoxin-induced-uveitis rat model Topical medication compliance among patients with normal tension glaucoma at the Saiful Anwar Hospital, Malang Smoking: in local wisdom and social environment perspective Epiphyte Tea (Scurrula atropurpurea) (Blume) leaf extract increases Caspase 9 and Caspase 3 expression in cultured HeLa cells  Psychosemantic analysis of a leader's image in the everyday consciousness of adolescent boys and girls  Features of gnostic functions in the elderly people suffering from dementia Virtual professional practice for teachers of the deaf "diagnosis of development options of young children with impaired hearing Reproductive behavior of Russians: Sociodemographic aspect Prevalence of molar incisor hypomineralisation (MiH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies		S601-18
Comparison of aqueous levels of interleukin-6 between 1% prednisolone acetate, 0.1% nepafenac and 0.1% diolofenac in endotoxin-induced-uveitis rat model Topical medication compliance among patients with normal tension glaucoma at the Saiful Anwar Hospital, Malang Smoking: in local wisdom and social environment perspective  Epiphyte Tea (Scurrula atropurpurea) (Blume) leaf extract increases Caspase 9 and Caspase 3 expression in cultured HeLa cells  Psychosemantic analysis of a leader's image in the everyday consciousness of adolescent boys and girls  Features of gnostic functions in the elderly people suffering from dementia  Virtual professional practice for teachers of the deaf "diagnosis of development options of young children with impaired hearing Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies	Pericarp extract on retinoblastoma cell culture	
between 1% prednisolone acetate, 0.1% nepafenac and 0.1% diclofenac in endotoxin-induced-uveitis rat model  Topical medication compliance among patients with normal tension glaucoma at the Saiful Anwar Hospital, Malang  Smoking: in local wisdom and social environment perspective  Epiphyte Tea (Scurrula atropurpurea) (Blume) leaf extract increases Caspase 9 and Caspase 3 expression in cultured HeLa cells  Psychosemantic analysis of a leader's image in the everyday consciousness of adolescent boys and girls  Features of gnostic functions in the elderly people suffering from dementia  Virtual professional practice for teachers of the deaf "diagnosis of development options of young children with impaired hearing Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies	<u>.</u>	
and 0.1% diclofenac in endotoxin-induced-uveitis rat model Topical medication compliance among patients with normal tension glaucoma at the Saiful Anwar Hospital, Malang  Smoking: in local wisdom and social environment perspective  Epiphyte Tea (Scurrula atropurpurea) (Blume) leaf extract increases Caspase 9 and Caspase 3 expression in cultured HeLa cells  Psychosemantic analysis of a leader's image in the everyday consciousness of adolescent boys and girls  Features of gnostic functions in the elderly people suffering from dementia  Virtual professional practice for teachers of the deaf "diagnosis of development options of young children with impaired hearing  Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies		S602-18
model		
Topical medication compliance among patients with normal tension glaucoma at the Saiful Anwar Hospital, Malang  Smoking: in local wisdom and social environment perspective  Epiphyte Tea (Scurrula atropurpurea) (Blume) leaf extract increases Caspase 9 and Caspase 3 expression in cultured HeLa cells  Psychosemantic analysis of a leader's image in the everyday consciousness of adolescent boys and girls  Features of gnostic functions in the elderly people suffering from dementia  Virtual professional practice for teachers of the deaf "diagnosis of development options of young children with impaired hearing  Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study Analysis of oral soft itsues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies		
normal tension glaucoma at the Saiful Anwar Hospital, Malang  Smoking: in local wisdom and social environment perspective  Epiphyte Tea (Scurrula atropurpurea) (Blume) leaf extract increases Caspase 9 and Caspase 3 expression in cultured HeLa cells  Psychosemantic analysis of a leader's image in the everyday consciousness of adolescent boys and girls  Features of gnostic functions in the elderly people suffering from dementia  Virtual professional practice for teachers of the deaf "diagnosis of development options of young children with impaired hearing  Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies		\$603-18
Smoking: in local wisdom and social environment perspective  Epiphyte Tea (Scurrula atropurpurea) (Blume) leaf extract increases Caspase 9 and Caspase 3 expression in cultured HeLa cells  Psychosemantic analysis of a leader's image in the everyday consciousness of adolescent boys and girls  Features of gnostic functions in the elderly people suffering from dementia  Virtual professional practice for teachers of the deaf "diagnosis of development options of young children with impaired hearing  Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies	_ ·	3003-18
Epiphyte Tea (Scurrula atropurpurea) (Blume) leaf extract increases Caspase 9 and Caspase 3 expression in cultured HeLa cells  Psychosemantic analysis of a leader's image in the everyday consciousness of adolescent boys and girls  Features of gnostic functions in the elderly people suffering from dementia  Virtual professional practice for teachers of the deaf "diagnosis of development options of young children with impaired hearing  Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies		
perspective  Epiphyte Tea (Scurrula atropurpurea) (Blume) leaf extract increases Caspase 9 and Caspase 3 expression in cultured HeLa cells  Psychosemantic analysis of a leader's image in the everyday consciousness of adolescent boys and girls  Features of gnostic functions in the elderly people suffering from dementia  Virtual professional practice for teachers of the deaf "diagnosis of development options of young children with impaired hearing  Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies		
Epiphyte Tea (Scurrula atropurpurea) (Blume) leaf extract increases Caspase 9 and Caspase 3 expression in cultured HeLa cells  Psychosemantic analysis of a leader's image in the everyday consciousness of adolescent boys and girls  Features of gnostic functions in the elderly people suffering from dementia  Virtual professional practice for teachers of the deaf "diagnosis of development options of young children with impaired hearing  Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies		S604-18
extract increases Caspase 9 and Caspase 3 expression in cultured HeLa cells  Psychosemantic analysis of a leader's image in the everyday consciousness of adolescent boys and girls  Features of gnostic functions in the elderly people suffering from dementia  Virtual professional practice for teachers of the deaf "diagnosis of development options of young children with impaired hearing  Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies	perspective	
extract increases Caspase 9 and Caspase 3 expression in cultured HeLa cells  Psychosemantic analysis of a leader's image in the everyday consciousness of adolescent boys and girls  Features of gnostic functions in the elderly people suffering from dementia  Virtual professional practice for teachers of the deaf "diagnosis of development options of young children with impaired hearing  Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies	Epiphyte Tea (Scurrula atropurpurea) (Blume) leaf	S605-18
in cultured HeLa cells  Psychosemantic analysis of a leader's image in the everyday consciousness of adolescent boys and girls  Features of gnostic functions in the elderly people suffering from dementia  Virtual professional practice for teachers of the deaf "diagnosis of development options of young children with impaired hearing  Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies		3333 =3
Features of gnostic functions in the elderly people suffering from dementia  Virtual professional practice for teachers of the deaf diagnosis of development options of young children with impaired hearing  Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies		
Features of gnostic functions in the elderly people suffering from dementia  Virtual professional practice for teachers of the deaf diagnosis of development options of young children with impaired hearing  Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies		
Features of gnostic functions in the elderly people suffering from dementia  Virtual professional practice for teachers of the deaf "diagnosis of development options of young children with impaired hearing  Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies	· · · · · · · · · · · · · · · · · · ·	S606-18
suffering from dementia  Virtual professional practice for teachers of the deaf " diagnosis of development options of young children with impaired hearing  Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies	everyday consciousness of adolescent boys and girls	
suffering from dementia  Virtual professional practice for teachers of the deaf " diagnosis of development options of young children with impaired hearing  Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies	Footures of gnostic functions in the alderly needle	CC07.10
Virtual professional practice for teachers of the deaf " diagnosis of development options of young children with impaired hearing  Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies	_ : : : :	3007-18
diagnosis of development options of young children with impaired hearing  Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies		S608-18
with impaired hearing  Reproductive behavior of Russians: Sociodemographic aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies		
aspect  Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies		
Prevalence of molar incisor hypomineralisation (MIH) in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies	Reproductive behavior of Russians: Sociodemographic	S609-18
in 7-10 year old school children in southern Saudi Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies	•	
Arabia: A cross-sectional study  Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies		S610-18
Analysis of oral soft tissues, airways and tongue by the results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies	· · · · · · · · · · · · · · · · · · ·	
results of complex rehabilitation of patients with angle class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies	·	\$611 <sub>-</sub> 18
Class III malocclusion  Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies	· · · · · · · · · · · · · · · · · · ·	3011-10
Development of an innovative method of photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies		
photodynamic therapy in cancer treatment  Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies		
Can secondary upper extremity lymphedema be prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies	1 · · · · ·	S612-18
prevented?  The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies	photodynamic therapy in cancer treatment	
The effectiveness of mesotherapy with progenitor cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies		S613-18
cells of involutional changes in facial skin in patients of different ages  Development of children with disabilities in the process of music lessons using digital technologies  615-18	'	
different ages  Development of children with disabilities in the process of music lessons using digital technologies  615-18	1	S614-18
Development of children with disabilities in the process of music lessons using digital technologies 615-18	_	
process of music lessons using digital technologies		615-18
		013 10
		S616-18

Smoking: in local wisdom and social environment perspective

Muria Herlina

Department of Social Welfare, Faculty of Social and Politic Science, University of Bengkulu,

Indonesia

**Corresponding author:** 

Muria Herlina, Department of Social Welfare, Faculty of Social and Politic Science, University

of Bengkulu, Jalan W.R. Supratman, Kandang Limun, Bengkulu 38371, Indonesia.

Phone: +628156234811, Fax: (+62 736) 21186

E-mail address: mherlina@unib.ac.id

Abstract

This research purpose to investigate the contribution of local wisdom and social environment to smoking behavior.

This research employs a mixed-method (quantitative and qualitative) design. The data were obtained through

questionnaires, observation, in-depth interviews and focus group discussion. The results show that the socio-

demographic factors are significantly influenced by local wisdom, except gender, men and women smoke based on

individual will. The dominant influence for smoking behavior is coming from their family, especially imitation of

the father performed; and social factors in the community. The socio-demography is significantly influenced by

local wisdom, as it contributes to smoking behavior.

Keywords: local wisdom, social environment, smoking

S604-18

#### Introduction

Smoking is still a global problem of public health because the impact of cigarettes is harmful to ones' health. It is known that tobacco cigarettes are a major cause of serious health problems experienced by the world population. Every year, about 6 million people worldwide lose their lives as a result of serious illnesses. World Health Organization (WHO) report estimated that one-fifth of the world's population dies annually from smoking-related diseases. A study conducted by researchers from Taiwan found that a carcinogenic substance in cigarettes called NNK causes lung cancer. Furthermore, a study conducted by researchers from England found that smokers suffering from Human Immunodeficiency Virus (HIV) suffer from acquired immune deficiency syndrome (AIDS) attacks two times faster compared to non-smokers (WHO, 2012).

It is ironic that even though various research results have reported the dangers of smoking, including even death, the number of smokers around the world has increased to nearly one billion people. According to a study by Arrazola et al. (2017) of the CDC, smoking has been shown to be very dangerous for all organs, and adults' smoking habits start in adolescence. Those who started the habit of smoking at a young age had higher rates of dependence on nicotine than those who started smoking in adulthood. Hence, efforts to prevent a smoking habit in adolescence become very important to reduce the death rate caused by diseases associated with smoking. About the effects of smoking on the lungs, measurement of breath length shows a shorter duration in smokers. Duration of breathing was 0–30 seconds in 29 people; 21 people breathed for 31–60 seconds, and none reached the standard of breathing duration of 61–90 seconds. In non-smokers, 7 individuals breathed for 0–30 seconds, 38 individuals breathed for 31–60 seconds, and 5 individuals breathed for 61–90 seconds (Leischow et al., 2016). There have been various activities to stop smoking, such as tobacco treatment research in Syria and in Indonesia since 2007, through programs to encourage avoiding passive smoking and prohibit people from smoking at home (Asfar et al., 2016). This program is one of the indicators of clean and healthy life behavior (PHBS). Since 2016, the program has become part of the Healthy Society Movement (GERMAS), which has six activities, including the non-smoking program (Nila, 2016).

According to tradition in Lebong, cigarettes are always provided in every gathering as a symbol to honor the guests. Special occasions, such as a marriage proposal or ceremony, are always accompanied by *baboa iben* (a jar filled with betel leaves) as a symbol of local tradition, and there must be a cigarette in the jar. A person will be

more likely to be exposed to toxins from cigarette smoke with higher frequency and for more extended periods of time. Passive smokers can also experience the same; the danger is higher if they inhale the smoke produced by active smokers (Thabrany, 2017).

Following the opinion of Sedyawati (2006), this tradition belongs to local wisdom because local wisdom is the traditional culture of ethnic groups, not only in the form of cultural norms and values but also including all elements of ideas, including those that have implications for technology, healthcare, habits, traditions, and aesthetics. With that understanding, the definition of local wisdom includes the various patterns of action and their cultural/material results. Another definition of local wisdom is the creative response to geographical, political, historical and situational situations that are local. Also, local wisdom can also be interpreted as a view of life and knowledge, as well as various life strategies that are reflected in activities by local communities in answering various problems in the fulfillment of their needs (Permana, 2017). Research needs support; although studies about smoking related to the social environment have been done, smoking research related to local wisdom is rare. The social environment in this context will be studied more deeply through two approaches, quantitative and qualitative, to be more meaningful.

#### **Theory**

A study in Thailand found that the harmful effects of globalization lead to harsh social, environmental problems, including loss of traditional knowledge and wisdom. Strategies that can be used include studying their problems collectively and restoring traditional wisdom and knowledge. Other studies are about recognizing the concept of health through local wisdom in Situbondo and the study of *tradisi memitu* in Setupatok Village Community, Cirebon. Research conducted in Lebong Bengkulu found local wisdom about traditions around *bakoa iben* and the habit of preparing cigarettes during a party or celebration. The condition is considered to have an impact on the social environment of smoking (Mungmachon, 2012; Basyari, 2014; Junianingsih et al., 2017).

A social environment is a place where citizens or communities interact or mingle together. It includes: (1) the family environment, having the most significant influence on one's behavior, especially children; (2) the school environment as a place to develop socializing lessons, interacting with school friends, teachers, school employees and merchants who sell snacks outside the school; (3) the college environment, where organizations have a more extensive range and more freedom to express opinions; (4) the working environment, an environment closest to the

community; and (5) the community environment, which individuals encounter when they are ready and mature enough to be able to plunge into it (Ayuniindya, 2012).

#### **Experimental Procedure**

#### Location of study

This study was conducted in Lebong District of Bengkulu Province, India on May 2018. The total area of 143,834.55 hectares consists of 103 villages, 10 sub-districts and 13 districts. The population consists of 112,412 (57,672 males and 54,740 females) and consists of 35,515 households. Lebong District is located at coordinates 105°–108° East longitude and 02° 65′–03° 60′ South latitude. Based on law no. 39, year 2003, the birthday of Lebong District is on January 7, 2004. Muara Aman is the capital. Lebong Regency is bordered by Sarolangun Regency of Jambi to the north, Rejang Lebong Regency to the south, North Bengkulu Regency, North Bengkulu, to the west and Musi Rawas Regency of Lubuk Linggau City to the east.

This research employs mixed methods, in which the researcher uses quantitative and qualitative research in one research process or concurrent processes to gain more comprehensive and complete results about a phenomenon or problem that is examined. This research is quantitative in that it uses a survey design and qualitative in that it includes a case study (Neuman, 2008; Husmiati et al., 2016). This mixed study is based on the following considerations: (1) It can answer "unanswerable" questions, if only by using one of the research approaches, (2) it can provide more strengths and fewer weaknesses, (3) it yields more comprehensive evidence, (4) it makes it more critically and creatively possible to uncover the research problem more sharply and profoundly, to use methods structured more freely and to prioritize processes and products.

There were two principles used in determining informants and samples in the qualitative research: appropriateness and adequacy. Therefore, the determination of informants was done by purposive sampling to choose the person who could provide information with predetermined criteria, by the topic of the research. There were 60 people chosen as respondents who came from various social environments, such family, school, peers and the community environment, including teachers; culture experts; and executive, legislative and other public figures. Meanwhile, informant sufficiency was determined to occur when there was saturation or no more variations of answers that were quite prominent (Martha and Kresno, 2016). The quantitative data were analyzed by using a descriptive statistical

test, t-test and chi-square test with SPSS. Furthermore, a qualitative analysis was done with flow model analysis, including data collection, data reduction, data display and conclusion/verification (Miles et al., 1992).

## Results

## Socio-demographic Relationships with Social Environment

The research shows that the proportion of smokers by age (see Table 1) consists of those of adult age (21–51 years) at 40%, the elderly (52 years and over) at 25% and teens at 26.67%. Among children, the investigators found 3 children who smoke. Two started smoking at the age of 5 years, and one started smoking at the age of 6.

Table 1. Socio-Demographic Profile of the Respondents

Characteristics	Frequency	Percentage	
Age:			
6-13 years old	7	11.67	
13-20	9	15.00	
21-27	6	10.00	
28-35	6	10.00	
36-43	6	10.00	
44-51	6	10.00	
52-57	8	13.33	
58-65	7	11.67	
Older than 66 years old	5	8.33	
Sex:			
Male	45	75.00	
Female	15	25.00	
Education			
No school	9	15.00	
Elementary school graduate	11	18.33	
Junior High School graduate	19	31.67	
Senior High School graduate	15	25.00	
College Graduate	6	10.00	
Occupation:			
Not yet go school	3	5.00	

Student	13	21.67
Farmer	20	33.33
Merchant	8	13.33
Entrepreneur	7	11.67
Government Officer	6	10.00
Legislative member	3	5.00

Source: data Primer 2017

## The relationship between Sex and Social Environment Factor

The relationship between sex and the impact of environmental factors on smoking behavior in Lebong District is summarized in Table 2.

Table 2. The relationship between sex and social environment factor

	Environmental Influences					
	Family	School	College	Office/Working	Community	Total
ex Male	14	8	4	7	12	45
Female	5	5	0	2	3	15
Total	19	13	4	9	15	60

Source: data Primer 2017

Table 2 shows that respondents from the male group dominated the overall research respondents. The group of male respondents admitted that smoking is mostly influenced by the family, community, school, office/working and college environments. The group of female respondents said that their choice to smoke is affected by the family, office/working, school, and community environments.

Furthermore, from the statistical test, it was known that the relationship between sex and social, environmental factors affecting smoking behavior is not significant. This can be seen from the value of chi-square, 2.844 with a p-value of 0.584, more significant than the alpha of 0.05 (see Table 3). The test result proves that the social environment factor does not significantly influence the behavior of male or female smokers. It can be said that both men and women have the same habits in consuming cigarettes.

Table 3. Testing Statistics Relationships between Gender and Social Environmental Factors

	Value	Df	Asymp. Sig. (2-sided).
Pearson Chi-Square	2.844 <sup>a</sup>	4	.584
Likelihood Ratio	3.709	4	.447
Linear-by-Linear Association	.539	1	.463
N of Valid Cases	60		

Source: data Primer 2017. a. 6 cells (60.0%) have expected count less than 5. The minimum expected count is 1.00

## The relationship between Education and Social Environment Factor

The relationship between education level and social environment in the smoking behavior of people in Lebong District is summarized in Figure 1.

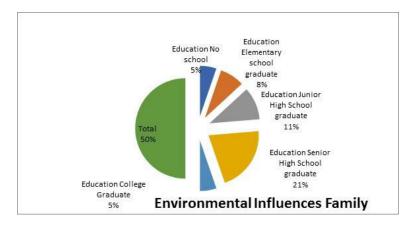


Figure 1. The relationship between education and social environment factor

Figure 1 shows that the smokers who responded to the study were dominated by junior high school respondents, followed by high school graduates and those who did not complete primary school. These results indicate that the education level of respondents is relatively good, but they lack understanding about the dangers of \$604-18

smoking, so the activity of smoking becomes a daily habit. The family becomes the primary driving factor in people's smoking behavior, followed by the factors of the community, school, work and college environments.

#### The relationship between Occupation and Social Environment Factors

The relationship of job and the impact of environmental factors on smoking behavior in Lebong District is summarized in Figure 2.

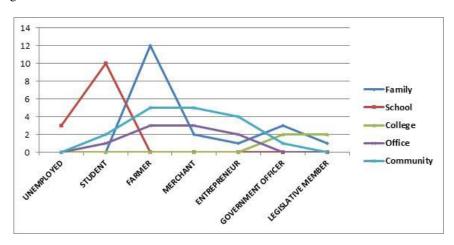


Figure 2. The relationship between occupation and social environment factors

#### The relationship between Social Demography and Local Wisdom

When tested with the chi-square test, the relationship between socio-demography and local wisdom in all demographic levels of respondents shows a significant influence of local wisdom on the people in Lebong Regency. The age, education and occupation p-value is 0.000, less than the alpha of 0.05, meaning that local tradition influences the smoking behavior for all three variables of respondents. On the other hand, the gender factor does not show significant influence: here, the p-value of 0.000 is less than the alpha of 0.257, meaning there is no correlation of the local wisdom factor for woman and men about their smoking behavior. Respondents smoke because of their factors (Table 4).

Table 4. Testing Statistics Relationships between Gender and Traditional/Lokal Wisdom Factors

Tradition/Local Wisdom	Total

	•	Ashamed if				Becoming		
		not smoking	Considered	Avoid	Do not want	need,		
		(considered	not knowing	being seen	to be	respecting		
		cannot	own	as poor or	considered	host, guest		
		mingle)	tradition	stingy	unmanly	smokes		
Gender	Male	9	13	8	3	12	45	
	Female	3	6	0	3	3	15	
Total		12	19	8	6	15	60	
		Chi-Square Tests						
		Value Df Asymp. Sig. (2-				2-sided)		
Pearson C	Chi-Square		5.305 <sup>a</sup> 4			.257		
Likelihood Ratio			6.955		4		.138	
Linear-by-Linear		.062 1			.803			
ssociatio	n							
N of Valid Cases			60					

a. 6 cells (60.0%) have expected count less than 5. The minimum expected count is 1.50.

#### **Discussions**

## The relationship between Sex and Social Environment Factor

The funding relationship between sex and the impact of environmental factors on smoking behavior in Lebong District is not much different from the study by Neuberger and Min (2017), which proves that the prevalence of smoking from time to time decreases significantly in men, but not in women. However, within a few days, there was a significant increase in female and male smokers. The average number of cigarettes consumed remains the same.

According to MGW, a retired government officer/nurse,

Most of the women in the village of Semelako and surrounding areas are smokers. Women smoking in public places is seen [as] inappropriate, even considered to be naughty, because

women are usually *nyirih*, not smoking. Commonly, smoking is influenced by the environment and work. I sometimes smoke to prevent being sleepy while waiting for the patient to give birth. There are also pregnant women who smoke. Some of the babies have low body weight, but some others are normal.

Mr. DRMYT, head of health promotion at the Public Health Office in Lebong, explained, Currently, women in Lebong have started to be dare to smoke in public places, not appropriate to see. The reason they smoke is that it is more practical than carrying *nyirih* equipment and does not cause the clothes dirty. Another reason is to relieve the cold and drowsiness during night time.

The findings are not much different from the results of research in Malang stating that most of the female visitors (80.0%), that is, 24 female visitors, in STMJ SOB in Malang are heavy smokers. This phenomenon is due to the influence of the environment. It proves that there is a relationship between the social environment and smoking behavior in women (Riyandi et al., 2017).

#### The relationship between Education and Social Environment Factor

The result of a statistical test shows that the correlation between educational level and the social environment factor in influencing smoking behavior is significant. This can be seen from the chi-square value of 55.385, with a p-value of 0.000, less than the alpha of 0.05. The results of these tests provide evidence that social, environmental factors significantly affect people's smoking behavior at all levels of education. The findings are consistent with the statement that there is no influence on the smoking behavior of the teacher's role. Although the teacher provides counseling about smoking restrictions, students keep smoking outside the school (Stanislaus et al., 2014; Febrianika, 2016).

#### The relationship between Occupation and Social Environment Factors

From the data in Figure 2, it is generally known that farmers are the dominant smokers in Lebong District, followed by students, merchants, entrepreneurs and so on. The family environment becomes the primary driving factor in farmers' smoking behavior, while students like to smoke because of the school environment. The community environment factor drives another group of respondents. The results of statistical tests showed that the relationship

between occupation and the social environment factor in the development of smoking behavior is significant. This can be seen from the value of chi-square, 85.268 with a p-value of 0.000, less than the alpha of 0.05. The social environment factor is very influential in every kind of occupation. This finding is supported by the following statement by Mr. SA, a religious leader in Lebong. He said that in Islamic law,

Smoking is *makruh* (if you smoke, you do not sin, [but] if you do not smoke you get a reward). I used to be a farmer. There are many mosquitoes around the garden, and smoking makes the mosquitoes run. Based on my experience, and I often see some cases, if bitten by venomous animals smokers are more immune than people who do not smoke.

The statement is contradictory to the findings of Qiu et al. (2017). The research proved that, in particular, cigarette smoke worsens the pathological immune responses or reduces standard defensive functions of the immune system. Furthermore, it is explained that as a result, smokers will need a more extended healing period than usual. Smokers, in general, have lower antioxidant levels than non-smokers. The toxicity of carcinogens and tar causes the body to be less effective in fighting infection.

#### The relationship between Social Demography and Local Wisdom

In Lebong, there is a tradition of providing cigarettes at every gathering or event as a symbol of respect for guests, such as at weddings, *bedendang* (traditional musical performances), *hitanan* (the ceremony for circumcision) and so on. Furthermore, in the *hantaran* event or wedding ceremony, the people carry a basket filled with betel leaves and cigarettes (*bakoa iben*). If the items are not complete, i.e., there are no cigarettes, then the traditional leader will postpone the event. Some arguments are saying that if men do not smoke and do not provide cigarettes, the event is to be postponed or canceled because the tradition is still active and the people feel afraid or do not want to break the tradition. Some examples of public opinions can be seen in Figure 3.

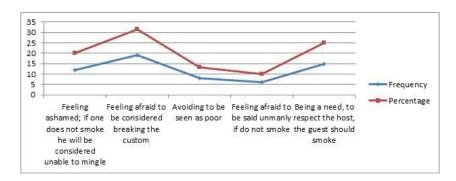


Figure 3. Respondents on the influence of local wisdom in smoking behavior

According to Mr. SJ, a cultural expert in Lebong:

Yes, traditionally, in Lebong, the container of betel leaves (*bakoa iben*) is filled with betel and cigarettes as a symbol that must be brought by the groom's family to propose [to] a woman or in the marriage ceremony. To honor the guests who hold celebrations, such as weddings, *bedendang*, prayers and so on, the host provides cigarettes for his guests. Otherwise, it will be considered stingy and ignoring the tradition. It has become a custom or tradition, especially in Lebong area and generally the people of Bengkulu.

YT, speaker of DPRD, in Lebong, says,

If you do not smoke, most women and their parents think you are poor [and] cannot afford to buy cigarettes. Cigarettes are always provided in any parties or events so that people will smoke. If the price of the cigarettes provided by the host for his guests is high, people will assume that the host is rich, able to mingle, appreciate the guests and not stingy.

According to Mr. HRMS, chairman of Lebong's Customary Meeting Council,

It is true that in every event, the host provides cigarettes, and commonly man guests offer cigarettes to their friends. If they do not do that, they are considered disrespectful, so their friends do not want to come [to] their house. If they see a man not smoking, he will be said to be a sissy because they believe that man must smoke.

The findings are supported by the findings of a research by Riza et al., (2017) which reported a correlation between culture and smoking behavior in adolescents in Pesantren Baitulsabri Lam Ateuk District of Aceh Besar in 2016

with a p-value of 0.005 (p <  $\alpha$ ). This shows that there is a relationship between culture and smoking behavior in adolescents, and both bad and good culture and tradition will be followed by the community, especially among adolescents.

The author conclude that the socio-demography of respondents is significantly influenced by local wisdom, as it contributes to smoking behavior. However, it is found to be not significant for the gender factor; men and women smokers smoke for individual reasons. Family, mainly the father, is the most influential factor in smoking behavior performed by children aged 5–7 years. The children tend to imitate their fathers. Social factors (friendship) in the community also encourage people to become smokers.

**Acknowledgment:** The authors would like to express their gratitude to traditional leaders and cultural observers as well as the health department in Lebong Regency who guided the implementation of this research.

#### References

- Arrazola, R. A., Ahluwalia, I. B., Pun, E., de Quevedo, I. G., Babb, S., Armour, B. S. (2017) Current tobacco smoking and desire to quit smoking among students aged 13–15 years global youth tobacco survey, 61 countries, 2012–2015. *Morbidity and Mortality Weekly Report.* 66, 533-537.
- Asfar, T., Kenneth, W.D., Radwan, A., Maziak, W. (2016). Developing an evidence-based tobacco medication in the eastern mediterranean region: lessons learned from the syrian tobacco research center. *Journal of Smoking Cessation*. 11, 116–123.
- Ayuniindya. (2012). Lingkungan sosial Available in <a href="https://ayuniindya.wordpress.com/2012/12/11/lingkungan-sosial/">https://ayuniindya.wordpress.com/2012/12/11/lingkungan-sosial/</a>. Accessed on October 2017.
- Basyari, H. I. W. (2014). Nilai-nilai kearifan lokal (*local wisdom*) tradisi *memitu* pada masyarakat cirebon (studi masyarakat desa setupatok kecamatan mundu). *Edunomic*. 2.
- Febrianika, R., Widjanarko, B., Kusumawati, A. (2016) hubungan faktor lingkungan sosial dengan perilaku merokok siswa lakilaki di sma x kabupaten kudus. Thesis. Semarang: Diponegoro University.
- Husmiati, Y., Irmayani, N. R., Noviana, I., Amalia, A. D. (2016) Kualitas hidup lanjut usia di daerah rawan bencana (studi kasus di desa sukamanah kecamatan pangalengan). Sosio Konsepsia. 5.

- Junianingsih, I., Hakim, L., Nuddin, H. (2017). Local wisdom of smoked fish processing as tourism product in Situbondo Regency. *Journal of Indonesian Tourism and Development Studies*. 2(3).
- Leischow, S. J., Hays, J. T., Glynn, T. J., Kemper, K. E. (2016). Global bridges: development and analysis of a tobacco treatment network. *Journal of Smoking Cessation*. 11, 90–98.
- Martha, E., Kresno, S. (2016). Metodologi penelitian kualitatif, untuk sektor kesehatan. Jakarta: PT. Raja Grafindo Persada.
- Miles, M. B., Huberman, M. A. (1992). Qualitative data analysis. Jakarta: University of Indonesia Press.
- Mungmachon, R. (2012). Knowledge and local wisdom: community treasure. *Intenational Journal of Humanities and Social Science*. 2(13), 174-181.
- Neuberger, S. J., Min, L. L. S. (2015). Cigarette consumption and cigarette smoking prevalence among adults in Kansas.

  Available in <a href="https://www.cdc.gov/pcd/issues/2015/15\_0011.htm">https://www.cdc.gov/pcd/issues/2015/15\_0011.htm</a>. Accessed on August 2017.
- Neuman, W. L. (2000). Social research methodology qualitative and quantitative approach. 7<sup>th</sup> ed. Jakarta: Pt. Indeks.
- Nila, F. M. (2016). Gerakan Masyarakat Hidup Sehat (GERMAS). Health Ministry of the Republic of Indonesia. Available in <a href="http://www.depkes.go.id/article/view/16111600003/pemerintah-canangkan-gerakan-masyarakat-hidup-sehat-germas-html2016">http://www.depkes.go.id/article/view/16111600003/pemerintah-canangkan-gerakan-masyarakat-hidup-sehat-germas-html2016</a>. Accessed on August 2017.
- Permana. (2017). Apa itu Kearifan Lokal. Available in <a href="http://www.kajianpustaka.com/2017/09/pengertian-fungsi-dimensi-kearifan-lokal.html">http://www.kajianpustaka.com/2017/09/pengertian-fungsi-dimensi-kearifan-lokal.html</a>. Accessed on September 2017.
- Qiu, F., Liang, L.C., Liu, H., Zeng, Y. Q., Hou, S., Huang, S., Lai, X., Dai, Z. (2017). Impacts of cigarette smoking on immune responsiveness: Up and down or upside down?. *Oncotarget*. 8, 268-284.
- Riyandi G, Wiyono J, Candrawati E. (2017). Hubungan lingkungan sosial dengan perilaku merokok pada wanita di kota malang .*Nursing News.* 2.
- Riza, S., Lensoni, I. R. (2017). Faktor-faktor yang berhubungan dengan perilaku merokok pada usia remaja pasantren di baitulsabri lam makanuk kabupaten Aceh Besar tahun 2016. *Aceh Medika Journal*. 1.
- Sedyawati, E. (2006). Budaya Indonesia, belajar tentang arkeologi, seni dan sejarah. Jakarta: Raja Grafindo Persada.
- Stanislaus, A. J., Romeo, P., Limbu, R. (2014). Pengaruh Faktor Lingkungan Sosial Terhadap Perilaku Merokok Pada Remaja Laki- Laki Smp Negeri I Nita Kabupaten Sikka Tahun 2012. *Jurnal MKM*. 8(2).
- Thabrany, H. (2017). Tingginya Perokok aktif usia dini, indonesia "darurat rokok". Available in <a href="https://fajar.co.id/2017/07/24/tingginya-perokok-aktif-usia-dini-indonesia-darurat-rokok.">https://fajar.co.id/2017/07/24/tingginya-perokok-aktif-usia-dini-indonesia-darurat-rokok.</a> Accessed: August 2017.
- World Health Oranization. (2014). World smokers' problem. Available on <a href="http://www.bbc.com/indonesia/majalah/2014/01/14010majalah\_lain\_perokok\_dunia.">http://www.bbc.com/indonesia/majalah/2014/01/14010majalah\_lain\_perokok\_dunia.</a> Accessed on August 2017.