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# ABSTRACT

## THE 1<sup>st</sup> INTERNATIONAL NURSING CONFERENCE

Increasing Role of Nurse in the Era of Globalization through Inter-professional Collaboration in the Perspective of Agricultural Nursing

Jember, November 9<sup>th</sup> 2014

School Of Nursing  
Jember University



Membangun Generasi  
Menuju Insan Berprestasi



## PREFACE

Assalamu`alaikum wr. wb.,

It is a pleasure to welcome all invited speakers and participants to the 1<sup>st</sup> International Nursing Conference: Increasing Role of Nurse in the Era of Globalization through Inter-professional Collaboration in the Perspective of Agricultural Nursing held by School of Nursing, Jember University on November 9<sup>th</sup>, 2014.

The goal of this conference is to bring together academic scientists, researchers, practitioners and scholars to exchange and share their experiences and research results about all aspects of "Nursing Care in the Perspective of Agricultural Nursing". This book contains abstracts from participants who joined oral and poster presentations. Hopefully, the book could provide valuable information to the community.

I express my sincere gratitude to all speakers who have come to Jember to share information and experiences to all of us. My grateful thanks are extended to all participants, to the committee of the conference and those who have helped us so that this event could be held successfully.

Thank you very much.  
Wassalamu`alaikum wr. wb.

Ns. Nur Widayati, MN  
Chairperson

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**THE EFFECT OF SMOKING AND EXPOSURE TO SUNLIGHT ON THE  
OCCURRENCE OF CATARACT IN THE REGION OF AGRICULTURE:  
A LITERATURE REVIEW**

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**Abstract**

**Introduction:** Cataract is a disease of the eye as cloudy lens so that light can not enter into the retina, the eye nerve consequently can not translate the object being viewed. There are several factors that affect the incidence of cataracts, one of which is the behavior of smoking and exposure to sunlight. The purpose of this literature review was to determine how smoking behavior and exposure to sunlight can affect the incidence of cataracts in the agriculture.

**Methods:** The source article used obtained from search through Google Scholar, DOAJ, Karger, and Scient Direct started in 2005 up to 2013. Once established, the article is analyzed to be a literature review.

**Results:** This review suggests that people who smoke more than 15 cigarettes per day had a higher risk of cataracts. Based on exposure to sunlight, a survey said that the Nepalese people living in areas of sun exposure 12 hours a day cataract prevalence 4 times greater than those who live in areas of sun exposure the average of 7 hours per day.

**Discussion:** Smoking and sun exposure is proven to increase the incidence of cataracts. Areas with high sun exposure especially agriculture region, have a greater prevalence of cataract than other areas.

**Keywords:** Smoking, sun exposure, cataract, agriculture