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## Publications

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2018

Jurnal nasional terakreditasi

### **Obstructive lung disease as a complication in post pulmonary TB**

PANDIAMAN PANDIA

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2022

Jurnal nasional

### **Edukasi Pencegahan COVID-19 dan Penyakit Paru Obstruksi Kronik (PPOK) Menuju Masyarakat Sehat Paru di Desa Telagah, Langkat**

AMIRA PERMATASARI TARIGAN , ANDIKA PRADANA , PANDIAMAN PANDIA

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2022

Artikel ilmiah

### **Edukasi Pencegahan COVID-19 dan Penyakit Paru Obstruksi Kronik (PPOK) Menuju Masyarakat Sehat Paru di Desa Telagah, Langkat**

PANDIAMAN PANDIA

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2025

Tulisan ilmiah

### **Comparison Of Eosinophil Counts in COPD Group B And Group E Patients**

PANDIAMAN PANDIA

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2019

Jurnal nasional terakreditasi

### **THE EFFECT OF 1-MONTH AND 2 MONTH UPPER AND LOWER LIMB TRAINING TO MAXIMAL OXYGEN UPTAKE (VO<sub>2</sub> MAX) IN COPD PATIENTS**

PANDIAMAN PANDIA

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2015

Jurnal nasional terakreditasi

### **Pengaruh Faktor Usia dan Faal Paru Terhadap Penurunan Saturasi Oksigen di Atas Ketinggian 8000 Kaki di dalam Pesawat Udara**

PANDIAMAN PANDIA

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2024

Jurnal internasional bereputasi

### **Role of ACE2 and TMPRSS2 polymorphisms on COVID-19 outcome and disease severity in adult patients: A prospective cohort study in a tertiary hospital, Indonesia**

RINA YUNITA , ARLINDA SARI WAHYUNI , BINTANG YINKE MAGDALENA SINAGA , ZULHAM , AMIN SOEBANDRIJO , R LIA KUSUMAWATI , ROSITA JUWITA SEMBIRING , PANDIAMAN PANDIA

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2018

Jurnal internasional bereputasi

### **Association between level of interferon gamma and acid-fast bacillipositivity in pulmonary tuberculosis**

PANDIAMAN PANDIA

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2020  
Jurnal nasional terakreditasi

## **Effect of Lower Extremity Exercise on The Borg Scale in Chronic Obstructive Pulmonary Disease**

PANDIAMAN PANDIA

2014  
Jurnal nasional terakreditasi

## **INFLUENCE FACTORS OF AGE AND PULMONARY FUNCTION DECREASED OXYGEN SATURATION AT ELEVATIONS ABOVE 8000 FEET IN AIRCRAFT: PK-046**

PANDIAMAN PANDIA

2019  
Jurnal nasional terakreditasi

## **THE IMPACT OF LONG-ACTING BETA-2 AGONIST OR LONG-ACTING ANTICHOLINERGIC TO BODE INDEX AND QUALITY OF LIFE IN STABLE COPD PATIENTS GROUP B**

PANDIAMAN PANDIA

2024  
Jurnal internasional bereputasi

## **Comparative analysis between PUMA and CAPTURE questionnaires for chronic obstructive pulmonary disease (COPD) screening in smokers**

ARLINDA SARI WAHYUNI , ANDIKA PRADANA , PANDIAMAN PANDIA , AMIRA PERMATASARI TARIGAN

2019  
Jurnal nasional terakreditasi

## **THE IMPACT OF 1-MONTH AND 2-MONTH UPPER AND LOWER LIMB EXERCISE TO MUSCLE MASS IN COPD PATIENTS**

PANDIAMAN PANDIA

2019  
Jurnal internasional bereputasi

## **The impact of upper limb training with breathing maneuver in lung function, functional capacity, dyspnea scale, and quality of life in patient with stable chronic obstructive**

PANDIAMAN PANDIA

2024  
Jurnal nasional

## **Comparison of Symptoms and Lung Function in Patients with Chronic Obstructive Pulmonary Disease (COPD) Receiving Monobronchodilators and Dual Bronchodilators**

ANDIKA PRADANA , AMIRA PERMATASARI TARIGAN , PANDIAMAN PANDIA , ELFIA DAMAIYANTI BR LINGGA

2019  
Jurnal internasional

## **The impact of upper limb training with breathing maneuver in lung function, functional capacity, dyspnea scale, and quality of life in patient with stable chronic obstructive**

PANDIAMAN PANDIA

2014  
Jurnal nasional terakreditasi

## **THE RELATIONSHIP BETWEEN COPD ASSESSMENT TEST (CAT) AND MODIFIED MEDICAL RESEARCH COUNCIL (MMRC) DYSPNEOA SCALE WITH FORCED EXPIRATORY VOLUME (FEV1) AND EXACERBATION IN STABLE**

PANDIAMAN PANDIA

2024  
Jurnal internasional bereputasi

## **Effectiveness of upper arm and breathing exercises to improve inflammatory markers in severe COVID-19 patients**

2014

Jurnal nasional terakreditasi

**ASSOCIATION OF TUMOUR NECROSIS FACTOR ALPHA (TNF&#945;) LEVEL WITH SEVERITY OF AIRFLOW LIMITATION IN STABLE COPD PATIENT IN ADAM MALIK GENERAL HOSPITAL: PF-062**

PANDIAMAN PANDIA

2018

Jurnal internasional bereputasi

**Impact of lower-limb endurance training on dyspnea and lung functions in patients with COPD**

PANDIAMAN PANDIA

2019

Jurnal internasional bereputasi

**The impact of upper limb training with breathing maneuver in lung function, functional capacity, dyspnea scale, and quality of life in patient with stable chronic obstructive&A&#8230;**

PANDIAMAN PANDIA

2014

Jurnal nasional terakreditasi

**THE RELATIONSHIP BETWEEN PROCALCITONIN AND PNEUMONIA SEVERITY INDEX (PSI) SCORES TO ASSES THE SEVERITY OF COMMUNITY ACQUIRED PNEUMONIA (CAP) IN ADAM MALIK GENERAL HOSPITAL&A&#8230;**

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2024

Jurnal nasional terakreditasi

**A Rare Case of Completely Healed Pneumomediastinum Due to Asthma Exacerbation in A Young Male Patient**

ANDIKA PRADANA , PANDIAMAN PANDIA , AMIRA PERMATASARI TARIGAN

2024

Artikel ilmiah

**Comparative analysis between PUMA and CAPTURE questionnaires for chronic obstructive pulmonary disease (COPD) screening in smokers**

AMIRA PERMATASARI TARIGAN , PANDIAMAN PANDIA

2019

Jurnal internasional bereputasi

**The The Impact of Upper Limb Training with Breathing Maneuver in Lung Function, Functional Capacity, Dyspnea Scale, and Quality of Life in Patient with Stable Chronic&A&#8230;**

BINTANG YINKE MAGDALENA SINAGA , AMIRA PERMATASARI TARIGAN , PANDIAMAN PANDIA

2017

Jurnal nasional terakreditasi

**AIRWAY OBSTRUCTION IN POST TB PATIENTS IS COMPARABLE WITH COPD**

PANDIAMAN PANDIA

2017

Jurnal nasional terakreditasi

**Correlaton of serum tumor necrosis factor-alpha level with pulmonary function in post pulmonary tuberculosis patients**

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2020

Jurnal internasional bereputasi

**The impact of short-term combination of limb training and pursed-lip breathing in chronic obstructive pulmonary disease**

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2024

Jurnal internasional bereputasi

**Role of ACE2 and TMPRSS2 polymorphisms on COVID-19 outcome and disease severity in adult patients: A prospective cohort study in a tertiary hospital, Indonesia**

ARLINDA SARI WAHYUNI , AMIN SOEBANDRIJO , R LIA KUSUMAWATI , RINA YUNITA , PANDIAMAN PANDIA , ROSITA JUWITA SEMBIRING , ZULHAM , BINTANG YINKE MAGDALENA SINAGA

2014

Jurnal nasional terakreditasi

**THE RELATIONSHIP BETWEEN COPD ASSESSMENT TEST (CAT) AND MODIFIED MEDICAL RESEARCH COUNCIL (MMRC) DYSPNEOA SCALE WITH FORCED EXPIRATORY VOLUME (FEV1) AND EXACERBATION IN STABLE**

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2025

Artikel ilmiah

**Analysis of Blood Eosinophil Levels as an Indicator of Controlled Asthma Classification at the University of Sumatra Utara Hospital**

ANDIKA PRADANA , PANDIAMAN PANDIA , RIZKI AMALIYAH DAMANIK

2025

Jurnal nasional terakreditasi

**The Effect of Providing Digital Education Through Smartphone Applications on Control Level of Asthma Patients at Outpatient Clinic University of North Sumatra Hospital Medan**

ERNA MUTIARA , AMIRA PERMATASARI TARIGAN , PANDIAMAN PANDIA

2023

Jurnal internasional

**Effectiveness of smartphone application in increasing knowledge on COPD and its non-pharmacological management in COPD patients**

ANDIKA PRADANA , PANDIAMAN PANDIA , AMIRA PERMATASARI TARIGAN , DR.DR. TAUFIK ASHAR MKM

2017

Jurnal nasional terakreditasi

**Effects of Lower Limb Endurance Training on Maximal Oxygen Uptake (VO<sub>2</sub> max) in Chronic Obstructive Pulmonary Disease**

PANDIAMAN PANDIA

2014

Jurnal nasional terakreditasi

**THE RELATIONSHIP BETWEEN PROCALCITONIN AND PNEUMONIA SEVERITY INDEX (PSI) SCORES TO ASSES THE SEVERITY OF COMMUNITY ACQUIRED PNEUMONIA (CAP) IN ADAM MALIK GENERAL HOSPITAL**

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2024

Jurnal nasional terakreditasi

**Effects of Upper Arm and Breathing Exercise on Interleukin-6 in COVID-19 Patients**

AMIRA PERMATASARI TARIGAN , ANDIKA PRADANA , PANDIAMAN PANDIA , ADITYA SRI LISTYOKO

2025

Jurnal internasional bereputasi

**Change of VO<sub>2</sub> Max and Muscle Mass After One-Month and Two-Month Upper and Lower Body Exercises in Stable Chronic Obstructive Pulmonary Disease**

ANDIKA PRADANA , AMIRA PERMATASARI TARIGAN , PANDIAMAN PANDIA

2015

Jurnal nasional terakreditasi

**Nilai COPD Assesment Test dan Modified Medical Research Council Dyspneu Scale dengan derajat Obstruksi dan Eksaserbasi Penyakit Paru Obstruksi**

2014

Jurnal nasional terakreditasi

**THE RELATIONSHIP BETWEEN COPD ASSESSMENT TEST (CAT) AND MODIFIED MEDICAL RESEARCH COUNCIL (MMRC) DYSPNEOA SCALE WITH FORCED EXPIRATORY VOLUME (FEV1) AND EXACERBATION IN STABLE**

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2015

Jurnal nasional terakreditasi

**Hubungan Kadar Debu Kapas dengan Kejadian Bisinosis pada Pekerja Pabrik X Pembuat Tilam di Kota Medan**

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2014

Jurnal nasional terakreditasi

**THE RELATIONSHIP BETWEEN PROCALCITONIN AND PNEUMONIA SEVERITY INDEX (PSI) SCORES TO ASSES THE SEVERITY OF COMMUNITY ACQUIRED PNEUMONIA (CAP) IN ADAM MALIK GENERAL HOSPITAL**

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2017

Jurnal nasional terakreditasi

**IMPACT OF LOWER-LIMB ENDURANCE TRAINING ON DYSPNEA SCALE AND PULMONARY FUNCTION TEST RESULTS IN COPD PATIENTS**

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2014

Jurnal nasional terakreditasi

**RESPIRATORY DISORDERS PROFILE AND PULMONARY FUNCTION TESTS ON WOOD-HOUSEWARES MILLS WORKERS IN DELI SERDANG INDONESIA: PH-014**

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2019

Jurnal internasional bereputasi

**The impact of upper limb training with breathing maneuver in lung function, functional capacity, dyspnea scale, and quality of life in patient with stable chronic obstructive of lung disease**

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2019

Jurnal internasional bereputasi

**The relationship between concordance behaviour with treatment compliance and quality of life of patients with pulmonary tuberculosis in medan**

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2023

Jurnal internasional

**Factors associated with small airway obstruction in COVID-19 survivors: A cross-sectional study among health-care providers**

PANDIAMAN PANDIA , DR.DR. TAUFIK ASHAR MKM , ANDIKA PRADANA

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2022

Artikel ilmiah

**Short Review on Effectiveness of Upper Limb Exercises and Breathing Exercises in COPD Stable Patients During COVID-19 Pandemic Era**

PANDIAMAN PANDIA , AMIRA PERMATASARI TARIGAN

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2023

Jurnal internasional bereputasi

# Comparison of exhaled carbon monoxide levels and its association with nicotine dependence between electronic and tobacco cigarettes: A cross-sectional study among teenage smokers

PANDIAMAN PANDIA , AMIRA PERMATASARI TARIGAN , ERNA MUTIARA

2023

Jurnal internasional bereputasi

## Effectiveness of adequate chicken egg white consumption on dyspnea degree and exacerbation incidence in stable COPD patients practicing strength and endurance exercises

PANDIAMAN PANDIA , BINTANG YINKE MAGDALENA SINAGA , ANDIKA PRADANA , AMIRA PERMATASARI TARIGAN , ERNA MUTIARA

2022

Artikel ilmiah

## The Effect of Long-Acting Beta-2 Agonist Monotherapy and Long-Acting Anticholinergic Monotherapy to Quality-of-Life in Group B Stable COPD Patients

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2022

Artikel ilmiah

## Effectiveness of upper limb exercises and breathing exercises in COPD stable patients during COVID-19 pandemic era

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## Researches

2020

Penelitian Unggulan Perguruan Tinggi

## EFEKTIVITAS LATIHAN OLAHRAGA PADA PASIEN PENYAKIT PARU OBSTRUKTIF KRONIK (PPOK) STABIL

BINTANG YINKE MAGDALENA SINAGA , PANDIAMAN PANDIA , AMIRA PERMATASARI TARIGAN

2021

Penelitian Unggulan Perguruan Tinggi

## EFEKTIVITAS LATIHAN OLAHRAGA PADA PASIEN PENYAKIT PARU OBSTRUKTIF KRONIK (PPOK) STABIL

BINTANG YINKE MAGDALENA SINAGA , PANDIAMAN PANDIA , AMIRA PERMATASARI TARIGAN

2020

Penelitian Unggulan Perguruan Tinggi

## EFEKTIVITAS LATIHAN OLAHRAGA PADA PASIEN PENYAKIT PARU OBSTRUKTIF KRONIK (PPOK) STABIL

BINTANG YINKE MAGDALENA SINAGA , PANDIAMAN PANDIA , AMIRA PERMATASARI TARIGAN

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Kerjasama Luar Negeri dan Publikasi Internasional

## Impact of Air Pollution and Climate Changes in Hospitalization due to COPD Exacerbations: A Mixed Method of Geospatial Epidemiology and Qualitative Analysis

PUTRI CHAIRANI EYANOER , DR. AIDA , ANDIKA PRADANA , PANDIAMAN PANDIA , AMIRA PERMATASARI TARIGAN , NURYUNITA NAINGGOLAN , DUMORA FATMA

2022

Penelitian Dosen Pemula

## Peranan Rasio Neutrofil, Monosit dan Trombosit Terhadap Limfosit Sebagai Penanda Diagnostik Tuberkulosis Pada Penderita Penyakit Paru Obstruktif Kronik

ANDIKA PRADANA , PANDIAMAN PANDIA

# Community Services

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2023

## **Pengabdian Masyarakat dalam acara tabligh Akbar dan Pemeriksaan Kesehatan Univeristas Sumatera Utara**

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2025

## **Pengabdian Masyarakat Tempat Pembukaan Akhir Sampah**

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2023

## **Pengabdian Masyarakat Tabligh Akbar Desa Kutalimbaru**

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2025

## **PENGABDIAN MASYRAKAT**

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2024

## **Baksos Pengobatan / Screening TB Paru, Penyakit Kulit, THT, Gigi dan Penyakit Dalam**

PANDIAMAN PANDIA

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2024

## **Pengabdian Masyarakat Akbar PEMA FK USU 2024 "Satu Langkah Penuh Aksi Menuju Indonesia Sehat"**

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2023

## **Pengabdian Masyarakat Dies Natalis Ke-71 Fakultas Kedokteran USU**

SETIA PUTRA TARIGAN , NONI NOVISARI SOEROSO , ANDIKA PRADANA , PANDIAMAN PANDIA , AMIRA PERMATASARI TARIGAN

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