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**HASIL PENILAIAN SEJAWAT SEBIDANG ATAU *PEER REVIEW***  
**KARYA ILMIAH: JURNAL ILMIAH**

Judul Artikel Ilmiah : **Coverage Analysis of Complete Basic Immunization (CBI) in Pekalongan District during COVID-19 Pandemic Period with Rapid Card Check Survey in Pandemic Era**

Nama semua penulis : Sutopo Patria Jati, **Ayun Sriatmi**, Martini, Farid Agushyana  
 Status Pengusul (coret yg tidak perlu) : ~~Penulis Utama~~/~~Penulis Utama & Korespondensi~~/~~Penulis Korespondensi~~/  
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- Nama Jurnal : Journal of Medicinal and Chemical Sciences
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d	Kelengkapan unsur dan kualitas jurnal (30%)	9	7,5
	Nilai Total	30	25
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a	Kelengkapan unsur isi artikel	Dalam artikel didapati judul, abstrak, pendahuluan, material dan metode, hasil dan pembahasan, kesimpulan.
b	Ruang lingkup & kedalaman pembahasan	Penelitian ini merupakan penelitian yang bertujuan untuk menganalisis capaian imunisasi dasar lengkap di kabupaten Pekalongan dengan menggunakan "Rapid Card Check".
c	Kecukupan dan kemutakhiran data/informasi dan metodologi	Hampir seluruh data/informasi yang diacu untuk penulisan artikel ini adalah dari referensi terbitan kurang dari 10 tahun terakhir.
d	Kelengkapan unsur dan kualitas jurnal	Penerbit mempunyai nomor e-ISSN: 2651-4702 , dan terindeks di Scopus.

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Reviewer 1

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## LEMBAR

Judul Artikel Ilmiah : **Coverage Analysis of Complete Basic Immunization (CBI) in Pekalongan District during COVID-19 Pandemic Period with Rapid Card Check Survey in Pandemic Era**

Nama semua penulis : Sutopo Patria Jati, **Ayun Sriatmi**, Martini, Farid Agushyana

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d	Kelengkapan unsur dan kualitas jurnal (30%)	9	8,0
	Nilai Total	<b>30</b>	<b>26,5</b>
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**Catatan Penilaian artikel oleh Reviewer**

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b	Ruang lingkup & kedalaman pembahasan	Lingkup penelitian pada cakupan imunisasi dasar lengkap (IDL) di Kabupaten Pekalongan selama pandemi Covid-19 menggunakan metode Rapid Card Check (RCC), dianalisis secara kuantitatif ataupun kualitatif dengan indepth interview guna menggali faktor pengaruhnya.
c	Kecukupan dan kemutakhiran data/informasi dan metodologi	Referensi yang disitasi sebanyak 39 dokumen yang sebagian besar berupa artikel penelitian yang diterbitkan dalam 5 tahun terakhir
d	Kelengkapan unsur dan kualitas jurnal	Jurnal ini merupakan jurnal internasional bereputasi (terindeks Scopus) sejak tahun 2020 dan mempunyai e-ISSN

Semarang, 16 Juni 2022

Reviewer 2

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# Coverage Analysis of Complete Basic Immunization (CBI) in Pekalongan District during COVID-19 Pandemic Period with Rapid Card Check Survey in Pandemic Era

[Jati, Sutopo Patria<sup>a</sup>](#)  ; [Sriatmi, Ayun<sup>†</sup>](#) ; [Martini, Martini<sup>b</sup>](#) ; [Agushybana, Farid<sup>c</sup>](#)
 [Save all to author list](#)<sup>a</sup> Department of Health Administration and Policy, Faculty of Public Health, Diponegoro Universit, Indonesia<sup>b</sup> Department of Epidemiology and Tropical Diseases, Faculty of Public Health, Diponegoro University, Indonesia<sup>c</sup> Department of Biostatistics and Population, Faculty of Public Health, Diponegoro University, Indonesia[Full text options](#)  [Export](#) 

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Kharitonov, D.Yu. , Gladskikh, N.A. , Podoprigha, A.V. (2022) *Journal of Medicinal and Chemical Sciences*

COVID-19 vaccines for children in LMICs: another equity issue

Kampmann, B. , Okomo, U. (2021) *The Lancet*[View all related documents based on references](#)[Find more related documents in Scopus based on:](#)[Authors](#) > [Keywords](#) >**Abstract**

The goal of the immunization program is to provide protection from diseases that can be prevented by immunization (PD3I), such as tuberculosis, diphtheria, tetanus, polio, hepatitis B, and measles. Therefore, optimizing the immunization coverage is very important. The coverage of complete basic immunization in Pekalongan District decreased to 88.4% in 2017, while 7 cases of measles were still found. Further, the coverage of immunization has been a challenge in the COVID-19 pandemic situation. The objective of this study was to analyze the complete basic immunization coverage in Pekalongan Regency using Rapid Card Check. This study used an analytic observational design with quantitative and qualitative approaches. Quantitative analysis was performed using chi-square analysis, while in-depth interviews carried out a qualitative analysis to explore further the reasons for not having immunization. The number of samples was 535 toddlers aged 10-26 months. The sample was selected based on random sampling techniques, and data were collected using Rapid Card Check instrument. The coverage of immunization was 71.6%, and only 2.1% did the immunization correctly. Based on the type of antigen, the highest immunization coverage was HB0 = 88.4%, and the lowest was measles = 74.4%. The highest immunization accuracy was the type of antigen HB0 = 85.4%, and the



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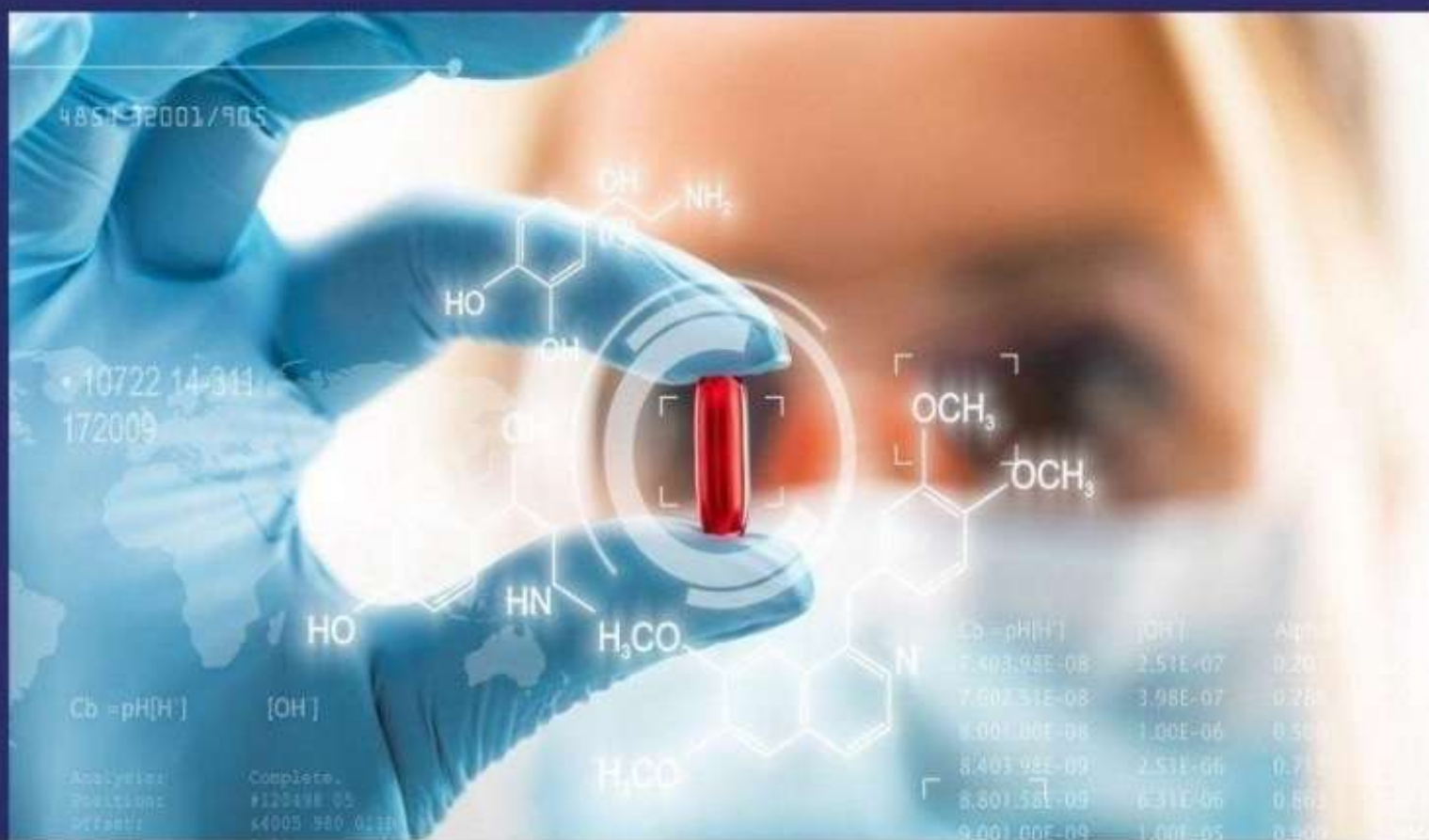
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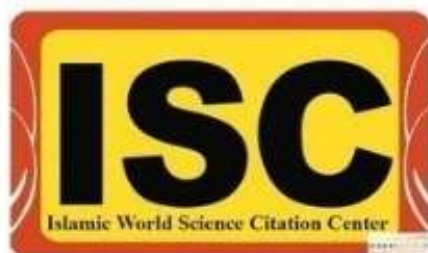
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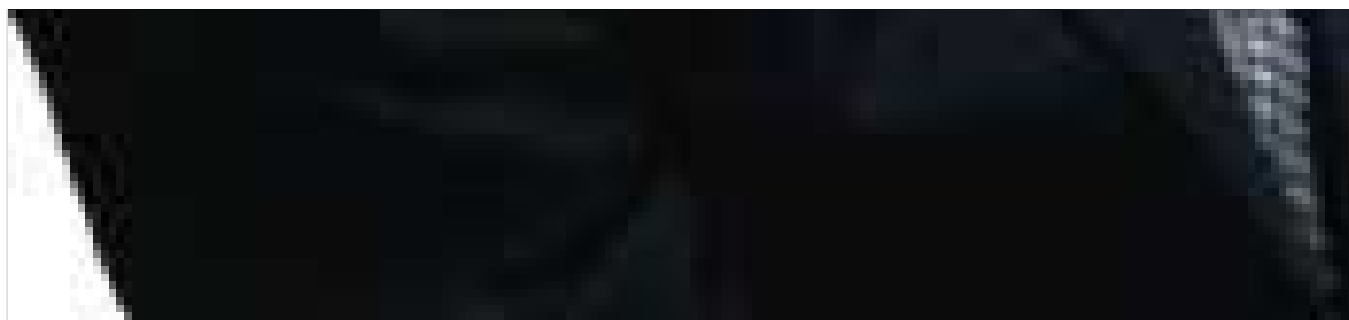
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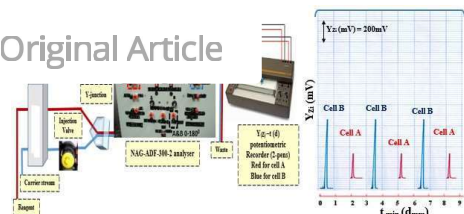
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## 1. Chlorpromazine-HCl Determination via Its Oxidation with Sodium Nitrite in Sulfanilic Acid Medium via CFIA Technique through Long Distance Chasing Photometer NAG-ADF-300-2

Nagam S. Turkey; Ghadah Fadhel

*Volume 5, Issue 3, May and June 2022, Pages 283-298*

<http://dx.doi.org/10.26655/JMCHEMSCI.2022.3.1>

**Abstract** In this work, precipitation reaction with a new photometer NAG-ADF-300-2 analyzer was used to detect chlorpromazine hydrochloride by attenuation of incident light (White Snow Light ... [Read More](#)

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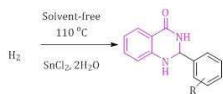
Eman G. Alhealy; Maysoon M. Alqazzaz; Wahda M T AL-Nuaimy

*Volume 5, Issue 3, May and June 2022, Pages 299-307*

<http://dx.doi.org/10.26655/JMCHEMSCI.2022.3.2>

**Abstract** Hypothyroidism is a common metabolic disorder that influences the function of many organs including the seminal vesicle which plays a key role in male fertility process. ... [Read More](#)

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### 3. Solvent-free Synthesis and Antimicrobial Activity of Dihydroquinazolinone Derivatives

Navid Keikhosravi; Esmaeil Dehghan-Ghahfarokhi; Soosan Abdollahi; Majid Piramoon; Javad Ghasemian-Yadegari; Rezvan Rezaeinasab

*Volume 5, Issue 3, May and June 2022, Pages 308-314*

<http://dx.doi.org/10.26655/JMCHEMSCI.2022.3.3>

**Abstract** In this research, a new series of dihydroquinazolinone analogs (4a-f) was synthesized using a one-pot reaction supporting solvent-free conditions at the presence of SnCl<sub>2</sub>.2H<sub>2</sub>O as catalyst. ... [Read More](#)

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Structural Cancellous Iliac Crest Bone  
of Scaphoid Non-Union



### 4. Treatment of Scaphoid Non-Union by Iliac Cancellous Bone

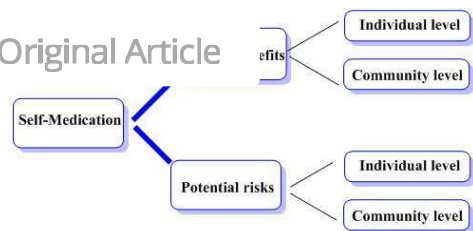
Bilal Salman Wafeeq; Mohamed Hazim M. Noori; Saif Mohamed Kani

*Volume 5, Issue 3, May and June 2022, Pages 315-320*

<http://dx.doi.org/10.26655/JMCHEMSCI.2022.3.4>

**Abstract** This study investigated the outcomes of headless compression screw fixation and cancellous iliac crest bone graft chips procedure in the management of scaphoid waist non-union. The ... [Read More](#)

## Original Article



### 5. [Internal Dynamics of Self –Medication \(SM\)](#)

Deepak Kumar Singh; B. Chandra Mohan Patnaik; Ipseeta Satpathy

*Volume 5, Issue 3 , May and June 2022, Pages 321-334*

<http://dx.doi.org/10.26655/JMCHEMSCI.2022.3.5>

**Abstract** Recently, especially during Covid-19, there has been an increasing trend of Self-Medication (SM) in rural and semi urban areas of India. There are various contributing factors ... [Read More](#)

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## Original Article



### 6. [The Effect of Drying Time of Silane Coupling Agent on the Hardness of Fiber-Reinforced Composite for Dental Applications](#)

Faizah Ariyani; Mutiara Anindhita

*Volume 5, Issue 3 , May and June 2022, Pages 335-340*

<http://dx.doi.org/10.26655/JMCHEMSCI.2022.3.6>

**Abstract** Treatment of tooth decay includes caries or pulp necrosis, necessitates crown restoration and the creation of a post. Non-metallic pegs, one of which is fiber-reinforced composite (FRC), ... [Read More](#)

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Coverage Analysis of Complete Basic Immunization in Pekalongan District  
During COVID-19 Pandemic Period



7. [Coverage Analysis of Complete Basic Immunization \(CBI\) in Pekalongan District during COVID-19 Pandemic Period with Rapid Card Check Survey in Pandemic Era](#)

Sutopo Patria Jati; [Ayun Sriatmi](#); Martini Martini; Farid Agushyana

*Volume 5, Issue 3, May and June 2022, Pages 341-348*

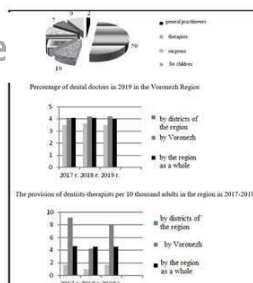
<http://dx.doi.org/10.26655/JMCHEMSCI.2022.3.7>

**Abstract** The goal of the immunization program is to provide protection from diseases that can be prevented by immunization (PD3I), such as tuberculosis, diphtheria, tetanus, polio, hepatitis ... [Read More](#)

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pharmaceutical services



8. [The Role of Modern Methods of Dental Services in Reducing Oral Diseases without the Need for Pharmaceutical Services](#)

D. Yu. Kharitonov; N.A. Gladskikh; A.V. Podoprighora; V.V. Dmitriev; N.S. Moiseeva; R.A. Kostin

*Volume 5, Issue 3, May and June 2022, Pages 349-354*

<http://dx.doi.org/10.26655/JMCHEMSCI.2022.3.8>

**Abstract** Oral diseases such as dental caries, pharyngeal cancers, and periodontitis are the global health problems, particularly in developing nations. In several



## Original Article

# Medical Evaluation of Mortality and Complications of Thoracoscopic Surgery with the Help of Primary Video in Patients with Thoracic Trauma with Stable Hemodynamics, 2019-2020

Mehdi Khosravi<sup>1</sup>, Fatemeh Jahanshahi<sup>2,3</sup>, Amirhossein Tafreshian<sup>1</sup> , Seyed Masoud Haghighi Kian<sup>1,\*</sup>

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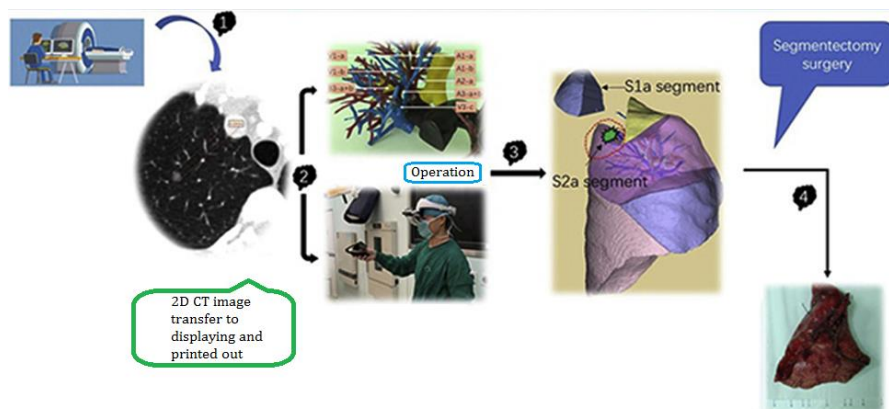
## KEYWORDS

Chest Trauma  
VATS Surgery  
Thoracoscopy  
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## ABSTRACT

In a retrospective multi-center study from August 2019 to Dec 2020, patients with chest trauma and stable hemodynamics who underwent VATS within their first week from trauma were enrolled in hospital. The electronic records were collected and reported on demographics, surgical procedure details and postoperative complications. In a sample of 44 participants, the mean age was  $31.21 \pm 9.21$  and 39 participants were male (88.6%). Sixteen people had blunt trauma, and 28 people had penetrating trauma. Accompanying organ damage was reported in 9 patients (20.5%). The mean injury severity score was  $20.98 \pm 6.74$ . In the sample, the duration of surgery was  $70.52 \pm 21.02$  minutes, the number of days with a chest tube was  $5.95 \pm 4.40$ , duration of ICU stay was  $7.77 \pm 4.30$  days, duration of hospitalization was  $12.36 \pm 1.98$  days and duration of return to physical activity was  $7.56 \pm 1.48$  days. Among patients, one patient (2.3%) was intubated. Postoperative imaging findings were positive in 11 patients (25%). During postoperative hospitalization, the most common findings were surgical site infection in 4 (9.1%) empyema in 3 (6.8%), pneumothorax in 3 (6.8%), pneumonia in 2 (4.5%), hemothorax in 2 patients (4.5%) and death in 1 (2.2%). VATS is associated with lower complications, as well as higher patient tolerance than other methods; Making it a safe and effective method of controlling acute chest trauma in patients with hemodynamic stability in young adults.

## GRAPHICAL ABSTRACT



\* Corresponding author: Seyed Masoud Haghighi Kian

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### Original Article

## Internal Dynamics of Self –Medication (SM)

Deepak Kumar Singh<sup>id</sup>, B. Chandra Mohan Patnaik<sup>\*</sup><sup>id</sup>, Ipseeta Satpathy<sup>id</sup>

KIIT University, Odisha India

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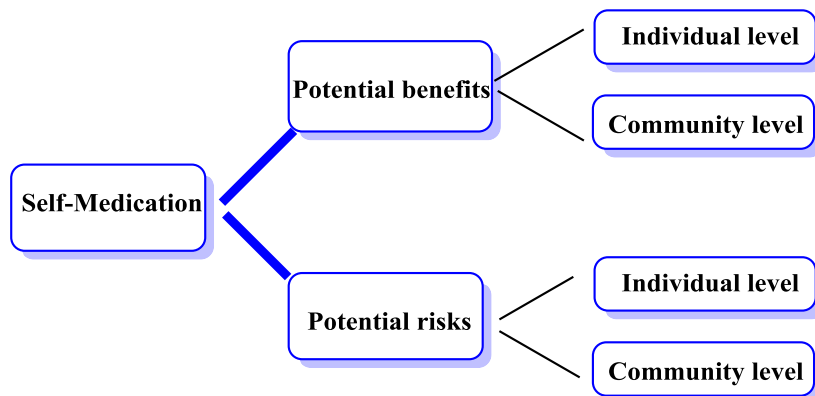
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Pharmacists

### ABSTRACT

Recently, especially during Covid-19, there has been an increasing trend of Self-Medication (SM) in rural and semi urban areas of India. There are various contributing factors for these practices. It is defined as the use of medicine by patients on his own initiative or on the advice of pharmacists, previous prescription, and suggestion of family members of friends instead of consulting qualified doctors. The medicines which are available with pharmacists without prescription or over the counter (OTC) are known to be part of self-medication. A medicine that requires doctors' recommendation is known as prescribed product (Rx products). The present work discusses the positive sides at individual level and community level and at the same time possible risks involved at community level and individual level. It was found that even though there were various risks involved due to self-medication, people in rural and semi-urban areas also find some positive side of the same. Most importantly they believe that it reduces the cost of travelling, and cost of consultation with doctor. Sometimes due to past experience of the same sort of diseases or symptoms, people opt for self-medication practices. The study concludes that Potential benefits at individual levels were self – reliance for preventing minor disease and saving of time & energy. Similarly the same for the community level were extending the health care services to the needy people in rural and remote areas and saving scarce medical resources for minor treatments /diseases. Potential risk at individual levels Failure to report or recognize the adverse drug reactions. Failure to seek appropriate medical assistance immediately and from the community point of view wasteful public expenditure and will lead to family disturbance due to death of member of family.

### GRAPHICAL ABSTRACT



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## Original Article

## Solvent-free Synthesis and Antimicrobial Activity of Dihydroquinazolinone Derivatives

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One-pot synthesis

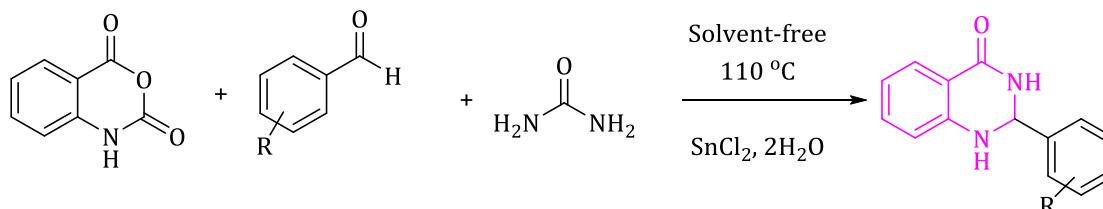
Quinazolinones

Solvent-free; Antimicrobial activity

## ABSTRACT

In this research, a new series of dihydroquinazolinone analogs (**4a-f**) was synthesized using a one-pot reaction supporting solvent-free conditions at the presence of  $\text{SnCl}_2 \cdot 2\text{H}_2\text{O}$  as catalyst. All final products were proved by FT-IR,  $^1\text{H-NMR}$ , and  $^{13}\text{C-NMR}$  analysis. The preliminary antimicrobial activity was assessed against Gram-negative (*Escherichia coli*, *Pseudomonas aeruginosa*), Gram-positive (*Staphylococcus aureus*, *Bacillus subtilis*, *Lactobacillus rhamnosus*), and antifungal activities against *Candida albicans*. Most of the synthesized derivatives revealed considerable activity, significantly compounds **4d** and **4e** at 0.25 mg/mL concentration had the highest activity against *P. aeruginosa*. Also, the MIC of compound **4d** was 0.25 mg/mL against *B. subtilis*, and *L. rhamnosus*. Furthermore, the tested molecules demonstrated moderate antifungal activities against the *C. albicans*.

## GRAPHICAL ABSTRACT



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## Original Article

# Chlorpromazine-HCl Determination via Its Oxidation with Sodium Nitrite in Sulfanilic Acid Medium via CFIA Technique through Long Distance Chasing Photometer NAG-ADF-300-2

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## KEYWORDS

Chlorpromazine-HCL

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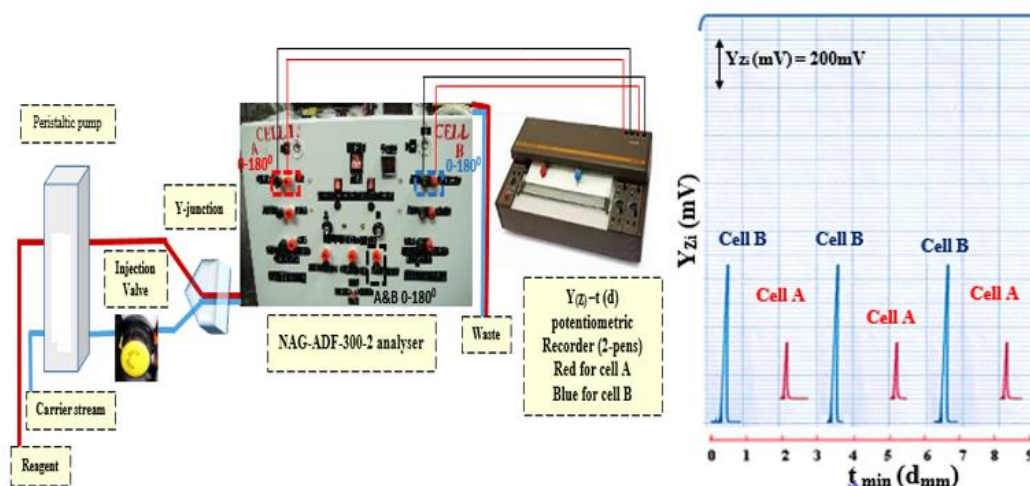
NAG-ADF-300-2 photometer

Sulfanilic acid

## ABSTRACT

In this work, precipitation reaction with a new photometer NAG-ADF-300-2 analyzer was used to detect chlorpromazine hydrochloride by attenuation of incident light (White Snow Light Emitting Diode) at two steps, the first 110 mm and the second 60 mm with a separation distance of 100 mm of the chlorpromazine-hydrochloride reaction with a mixture of two reagents of sodium nitrite and sulfanilic acid form a yellowish-white precipitate. The attenuation of this precipitate by incident light was measured in a highly repeatable and reproducible way from a relative standard deviation percent (RSD %) of less than 0.3% at a variable concentration. The linear dynamic graph ranges from 0.5 to 45 mmol.L<sup>-1</sup> for Cell A and 1-43 mmol.L<sup>-1</sup> for Cell B, with a limit of detection (L.O.D) 0.9984 µg and 49.9239 µg at 281 µL sample, and a correlation coefficient (r) of 0.9994, 0.9993 for Cell A and Cell B, respectively.

## GRAPHICAL ABSTRACT



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## Original Article

# The Role of Modern Methods of Dental Services in Reducing Oral Diseases without the Need for Pharmaceutical Services

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Dental service

Drug

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Oral diseases

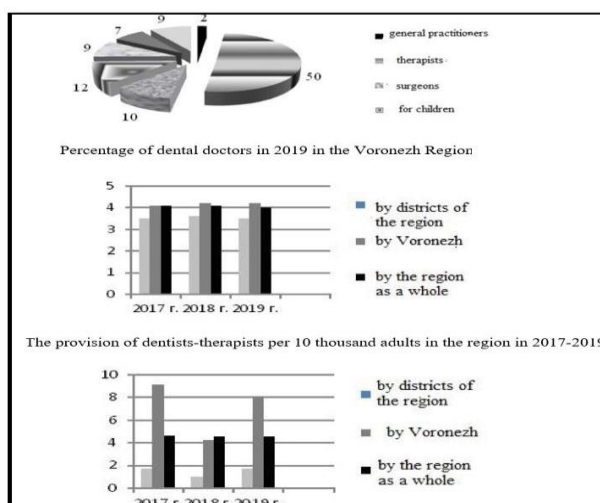
Pharmaceutical service

## ABSTRACT

Oral diseases such as dental caries, pharyngeal cancers, and periodontitis are the global health problems, particularly in developing nations. In several developing nations, oral health care utilization is limited. It should also be mentioned that due to the high use of drugs in patients in need of dental treatment and the possibility of drug interactions in drugs used with dental anesthetics, a dentist should be fully familiar with the mechanism of action of various drugs possible emergencies. Within the framework of this work, the formation method was studied, and a mechanism for calculating the integral indicator of the provision of dentists with the dental profile of the people of the Voronezh area was developed. In the formulation of the problem, it was determined to obtain a complex integral indicator in a graphical and analytical form, characterizing the dynamics of changes in the provision of dentists with the dental profile of the population of the region of Voronezh. When fulfilling the task, a database of various indicators of the dental service staff of the region of Voronezh for 2014-2020 was utilized. As a result of the work conducted, mathematical and algorithmic support was developed, and a software module that provides the user with the ability to work with various data on the staff of the Voronezh region's dental service; based on these data, the calculation of a complex integral indicator for 2014-2020 and a visual presentation of all data.

## GRAPHICAL ABSTRACT

**The role of modern methods of dental services in reducing oral diseases without the need for pharmaceutical services**



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**KOMISI ETIK PENELITIAN KESEHATAN  
HEALTH RESEARCH ETHICS COMMITTEE  
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FACULTY OF PUBLIC HEALTH DIPONEGORO UNIVERSITY**

**KETERANGAN LOLOS KAJI ETIK  
DESCRIPTION OF ETHICAL APPROVAL  
"ETHICAL APPROVAL"**

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*The research protocol proposed by*

Peneliti utama : Dr. dr. Sutopo Patria Jati, MM, M.Kes  
*Principle Investigator*

Nama Institusi : Universitas Diponegoro  
*Name of the Institution*

Anggota Peneliti : 1. Dr. Dra. Ayun Sriatmi, M.Kes.  
*Member* 2. Dr. Ir. Martini, M.Kes.

Dengan judul :  
*Title*

**"ANALISIS PENGEMBANGAN SISTEM INFORMASI KESEHATAN DALAM MANAJEMEN COLD CHAIN  
DAN CAKUPAN IMUNISASI DI KABUPATEN PEKALONGAN"**

**"ANALYSIS OF HEALTH INFORMATION SYSTEM DEVELOPMENT IN COLD CHAIN MANAGEMENT  
AND IMMUNIZATION COVERAGE IN PEKALONGAN DISTRICT"**

Dinyatakan layak etik sesuai 7 (tujuh) Standart WHO 2011, yaitu 1) Nilai Sosial, 2) Nilai Ilmiah, 3) Pemerataan Beban dan Manfaat, 4) Risiko, 5) Bujukan/Eksploitasi, 6) Kerahasiaan dan Privacy, dan 7) Persetujuan Setelah Penjelasan, yang merujuk pada Pedoman CIOMS 2016. Hal ini seperti yang ditunjukkan oleh terpenuhinya indikator setiap standar.

*Declared to be ethically appropriate in accordance to 7 (seven) WHO 2011 Standards, 1) Social Values, 2) Scientific Values, 3) Equitable Assessment And Benefits, 4) Risks, 5) Persuasion/Exploitation, 6) Confidentiality and Privacy, and 7) Informed Consent, referring to the 2016 CIOMS Guidelines. This is as indicated by the fulfillment of the indicators of each standard.*

Pernyataan Laik Etik ini berlaku selama kurun waktu tanggal 30 August 2021 sampai dengan tanggal 30 August 2022

*This declaration of ethics applies during the period August, 30th 2021 until August, 30th 2022*

Semarang, 30 August 2021  
Professor and Chairperson,



dr. M. Sakundarno Adi, M. Sc, Ph. D  
NIP. 196401101990011001