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MUHAMMADIYAH COVID-19 ISLAMIC BOARDING SCHOOL: A COMPLETE SELF-ISOLATION MODEL WITH NEUROSPIRITUAL AND PSYCHOSOCIAL APPROACHES

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Abstract

The purpose of this study was to analyze the Covid-19 Muhammadiyah Islamic boarding school with the complete independent isolation model. The subjects of this study consisted of Covid-19 patients and leaders of Covid-19 Islamic boarding schools. This research uses a qualitative approach with a case study type. This research was conducted at the Covid-19 Muhammadiyah Islamic Boarding School Yogyakarta, which was located at the PKU Muhammadiyah Hospital in Yogyakarta. Data collection techniques using direct interviews, observation and documentation. The data analysis technique followed the Miles and Huberman model, namely data display, data reduction, and data verification. The validity of the data using triangulation. The results showed that the approach model used was complete self-isolation, on psychosocial and neurospiritual aspects. With the development of social relations on the psychosocial aspects, patients feel healthy and not stressed. As for the increase in priests and spiritual neurospiritual perspectives, it helps the immunity of Covid-19 patients to remain stable and their good deeds are better. This research has implications for Covid-19 patients in repairing and coaching related to social behavior and religious behavior during the Covid-19 period.

Keywords: Muhammadiyah covid-19 Islamic boarding school, Covid-19 patients, Immune and faith.

Abstrak

Tujuan penelitian ini menganalisis pesantren Covid-19 Muhammadiyah dengan model Isolasi mandiri paripurna. Subjek penelitian ini terdiri dari pasien Covid-19 dan pimpinan pesantren Covid-19. Penelitian ini menggunakan pendekatan kualitatif jenis studi studi kasus. Penelitian ini dilakukan di pesantren Covid-19 Muhammadiyah Yogyakarta yang bertempat di Rumah sakit PKU Muhammadiyah Yogyakarta. Teknik pengumpulan data menggunakan metode wawancara langsung, observasi dan dokumentasi. Teknik analisis data mengikuti model Miles dan Huberman yaitu display data, reduksi data, dan verifikasi data. Keabsahan data menggunakan triangulasi. Hasil penelitian menunjukkan bahwa model pendekatan yang digunakan isolasi mandiri paripurna, pada aspek psikososial dan Neurospiritual. Dengan adanya pembinaan hubungan sosial pada aspek psikososial pasien merasa sebat dan tidak stress. Adapun peningkatan iman dan spiritual perpespektif neurospiritual membantu imun pasien Covid-19 tetap stabil dan lebih baik amal solebnya. Penelitian ini berimplikasi terhadap pasien Covid-19 dalam perbaikan dan pembinaan yang berbubungan dengan prilaku sosial dan prilaku beragama di masa Covid-19.

Kata Kunci: Pesantren Covid-19 Muhammadiyah, Pasien Covid-19, Imun dan iman.

Background

Indonesia is the country most affected by Covid-19. As of February 1, the rate of the spread of Covid-19 showed an increasingly higher increase.¹ Data from the Covid-19 task

force showed that the number of confirmed cases of Covid-19 had reached 1.11 million and resulted in 30,770 deaths (fatality rate of 4.150,000 results (0.62 seconds). 19 is very

¹ Marisol J. Voncken and others, "The Effect of Intranasally Administered Oxytocin on Observed Social Behavior in Social Anxiety Disorder", European

Neuropsychopharmacology, 53.3 (2021), 25–33 <<https://doi.org/10.1016/j.euroneuro.2021.07.005>>.



bad.²The Covid-19 response policy as stated in Law no. 2 in 2020 and costing a budget of 400.0 trillion did not have the slightest impact on controlling the spread of Covid-19. This is still exacerbated by the religious response that tends to be negative.³ Many groups by the Islamic community still consider Covid-19 a global conspiracy to carry out anti-science and anti-intellectualism propaganda to bend the ulema' fatwas on preventing Covid-19.⁴ This condition resulted in the peak of the spread of Covid-19 in Indonesia as a whole until it became a red zone, all of which was no place safe from Covid-19.⁵

The high number of Covid-19 patients on the one hand and limited health facilities, on the other hand, have resulted in the neglect of Covid-19 patients, especially those without symptoms (OTG), COVID-19 patients with severe symptoms are mostly accommodated in hospitals, while patients with mild symptoms are only required to self-isolate. without health facilities from the State.⁶ As for those without

symptoms, they will self-isolate in their respective places.⁷

However, self-isolation for OTG patients experiences problems when they are ostracized and discriminated against by the surrounding community.⁸ Due to the lack of direction and motivation from the health medical team and the closest family members. Weak healthy spirit and body's immune power, especially the strength of their faith, lack of spiritual touch from religious leaders.⁹ Thus, self-isolation for asymptomatic Covid-19 patients is not a solution at all.¹⁰ Asymptomatic patients who should have recovered after 14 days of self-isolation have not yet recovered, some have even recovered for up to 30 days.¹¹ They are not sick because of Covid-19 but more because of social isolation and suffering by the surrounding community. Therefore, an alternative isolation model is needed that does not isolate and marginalize Covid-19 patients.¹² They continue to live in isolation but still socialize with other people.

² Radoslaw Kotkowski and Michal Polasik, 'COVID-19 Pandemic Increases the Divide between Cash and Cashless Payment Users in Europe', *Economics Letters*, 209.2 (2021), 110139 <<https://doi.org/10.1016/j.econlet.2021.110139>> .

³ Csilla Lea Fazekas and others, 'Pharmacogenetic Excitation of the Median Raphe Region Affects Social and Depressive-like Behavior and Core Body Temperature in Male Mice', *Life Sciences*, 286.2 (2021), 1-10 <<https://doi.org/10.1016/j.lfs.2021.120037>> .

⁴ Veronica Renov and others, 'The Impact of the COVID-19 Pandemic on Child Protective Services Caseworkers and Administrators', *Child Abuse & Neglect*, 3.August (2021), 105431 <<https://doi.org/10.1016/j.chiabu.2021.105431>> .

⁵ Amanda J. Barabas and others, 'Modulating Captive Mammalian Social Behavior: A Scoping Review on Olfactory Treatments', *Applied Animal Behavior Science*, 244.July (2021), 105489 <<https://doi.org/10.1016/j.applanim.2021.105489>> .

⁶ Carla Ickert, Rachel Stefaniuk, and James Leask, 'Experiences of Long-Term Care and Supportive Living Residents and Families during the COVID-19 Pandemic: "It's a Lot Different for Us than It Is for the Average Joe"', *Geriatric Nursing*, 42.6 (2021), 1547-55 <<https://doi.org/10.1016/j.gerinurse.2021.10.012>> .

⁷ Meghan B. Smith and others, 'Making It (Net)Work: A Social Network Analysis of "Fertility" in Twitter before and during the COVID-19 Pandemic',

F&S Reports, 2.4 (2021), 472-78 <<https://doi.org/10.1016/j.xfre.2021.08.005>> .

⁸ Rita Latikka and others, *Loneliness and Psychological Distress before and during the COVID-19 Pandemic: Relationships with Social Media Identity Bubbles*, *Social Science & Medicine* (Elsevier Ltd, 2021) <<https://doi.org/10.1016/j.socscimed.2021.114674>> .

⁹ Julia Strojny and others, 'The Modulation of Social Behavior and Empathy via Oral Contraceptives and Female Sex Hormones', *Psychoneuroendocrinology*, 131.December 2020 (2021), 105250 <<https://doi.org/10.1016/j.psyneuen.2021.105250>> .

¹⁰ Yuki Yoshi Hyo and others, 'Survey of Nebulizer Therapy for Nasal Inflammatory Diseases in Japan before and during the COVID-19 Pandemic', *Auris Nasus Larynx*, 8.xxxx (2021), 1-10 <<https://doi.org/10.1016/j.anl.2021.11.007>> .

¹¹ Chinazo O. Cunningham and others, 'A Comparison of Office-Based Buprenorphine Treatment Outcomes in Bronx Community Clinics before versus during the COVID-19 Pandemic', *Journal of Substance Abuse Treatment*, August, 2021, 108641 <<https://doi.org/10.1016/j.jsat.2021.108641>> .

¹² Zhong Zhang and others, 'Impacts of COVID-19 Pandemic on the Aquatic Environment Associated with Disinfection Byproducts and Pharmaceuticals', *Science of the Total Environment*, 2.xxxx (2021), 151409 <<https://doi.org/10.1016/j.scitotenv.2021.151409>> .



In this case, the Muhammadiyah COVID-19 Islamic boarding school is a better alternative offer for self-isolation for asymptomatic patients.¹³ They are gathered in one community and then undergo medical treatment, foster social relationships, and spiritual cleansing.¹⁴ With the approach to the Covid-19 Islamic boarding school model for COVID-19 OTG patients, there is a chance to become better and healthier.¹⁵ The existence of perfect medical care with maximum routine treatment, supported by social relations with other communities and the establishment of communication.¹⁶ The most important thing is that it is developed with a spiritual touch by religious leaders and Ustadz.¹⁷ This leads to a plenary-based self-isolation organized by a hospital with a plenary (accredited) status.¹⁸ This means that the Muhammadiyah Covid-19 Islamic boarding school is very supportive and coloring Covid-19 patients with happiness and health.¹⁹

So far, studies on self-isolation for asymptomatic Covid-19 patients are still in the form of ordinary alternatives such as ordinary

self-isolation in which only healing for patients infected with Covid-19.²⁰ For example, in the research of Silvia et al., 2020, regarding "Development of the *PERISAI* Information System (Self-Reporting during Isolation) for People Under Covid-19 Monitoring" which focuses on the self-isolation model,²¹ The same thing was also investigated by Novia Wirna Putri 2020, regarding "Health Education for Independent Isolation in the effort to handle Covid-19 in Kangarian Koto Baru, Solok Regency" the focus of research on self-isolation and efforts to handle Covid-19,²² thus there has been no research on complete self-isolation in the form of a COVID-19 Islamic boarding school which not only facilitates health but also fosters social relationships and increases faith (spirituality).²³ Optimizing the healing of COVID-19 OTG patients by increasing faith and immunity, with a complete self-isolation model. Novelty in this study provides an alternative to Covid-19 patients in Covid-19 Islamic boarding schools with a complete self-isolation model approach (highest accreditation

¹³ Adam Schwertner, John McMenamy, and David M. Naeger, 'Radiology Imaging Volume Changes During Discrete COVID-19 Pandemic Waves: Implications for the Delta Variant of Coronavirus and Future Pandemics', *Journal of the American College of Radiology*, 3, December (2021), 20–28 <<https://doi.org/10.1016/j.jacr.2021.09.045>>.

¹⁴ Brick Johnstone, Daniel Cohen, and Andrew Dennison, 'The Integration of Sensations and Mental Experiences into a Unified Experience: A Neuropsychological Model for the "Sense of Self"', *Neuropsychologia*, 159, June (2021) <<https://doi.org/10.1016/j.neuropsychologia.2021.107939>>.

¹⁵ Voncken and others.

¹⁶ Syifa Nadiyah, Nadia Aulia Nadhirah, and Irfan Fahriza, 'Relationship of Psychosocial Development Factors and Vocational Identity in Late Adolescence', *Quanta*, 5.1 (2021), 21–29 <<https://doi.org/10.22460/q.v1i1p1-10.497>>.

¹⁷ Nadiyah, Nadhirah, and Fahriza.

¹⁸ Tajul Arifin and others, 'Self Protection During the COVID-19 Pandemic Based on Sahih Hadith', *Living Islam: Journal of Islamic Discourses*, 1.2 (2020), 1–15 <<http://digilib.uinsgd.ac.id/30833/>>.

¹⁹ Suyadi, Zalik Nuryana, and Niki Alma Febriana Fauzi, 'The Fiqh of Disaster: The Mitigation of Covid-19

in the Perspective of Islamic Education-Neuroscience', *International Journal of Disaster Risk Reduction*, 51.2 (2020), 101848 <<https://doi.org/10.1016/j.ijdr.2020.101848>>.

²⁰ Keely A. Muscatell and Tristen K. Inagaki, 'Beyond Social Withdrawal: New Perspectives on the Effects of Inflammation on Social Behavior', *Brain, Behavior, & Immunity - Health*, 16, July (2021), 100302 <<https://doi.org/10.1016/j.bbih.2021.100302>>.

²¹ Emily G. Vira and Therese Skoog, 'Swedish Middle School Students' Psychosocial Well-Being during the COVID-19 Pandemic: A Longitudinal Study', *SSM - Population Health*, 16, August (2021), 100942 <<https://doi.org/10.1016/j.ssmph.2021.100942>>.

²² Eszter Nagy and others, 'The Impact of the COVID-19 Pandemic on Autoimmune Diagnostics in Europe: A Lesson to Be Learned', *Autoimmunity Reviews*, 20, August (2021) <<https://doi.org/10.1016/j.autrev.2021.102985>>.

²³ Rafael Guimarães dos Santos and Jaime Eduardo Cecilio Hallak, 'Ayahuasca, an Ancient Substance with Traditional and Contemporary Use in Neuropsychiatry and Neuroscience', *Epilepsy & Behavior*, 121 (2021), 106300 <<https://doi.org/https://doi.org/10.1016/j.yebeh.2019.04.053>>.



A hospital) from a *neurospiritual* and psychosocial perspective.

The purpose of this study was to find a complete self-isolation model with a psychosocial and *neurospiritual* approach represented by the Covid-19 Islamic boarding school. The purpose of this research is described in three aspects: first, health care for Covid-19 patients. Second, fostering social relations and thirdly developing faith and spiritual development programs for COVID-19 OTG patients. Provide mental and physical healing to patients who previously lacked attention and motivation from those closest to them. Depression and stress caused by Covid-19 positive, there is panic and fear. On the one hand, OTG patients are directed to stay in touch and establish social relationships with people around them.

This research is based on the argument that complete self-isolation for Covid-19 (OTG) patients with a psychosocial and *neurospiritual* approach (Islamic boarding school Covid-19 Muhammadiyah) is the best solution for reducing the risk of spreading Covid-19 in Indonesia.²⁴ Example: contributions to hospitals that provide Covid-19 patients with increasing tips recorded in the statistical data on the spread of Covid-19.²⁵ Help overcome the prevention of the Covid-19 cluster. Among other things, hospitals or health centers providing Covid-19 providers are adding more and more every week, plus COVID-19 ODP patients, which are increasing every day. This makes the health medical team overwhelmed in addressing the problem. Thus, complete self-isolation is one of the alternatives for handling the spread of Covid-19, which involves physical healing by the health medical team, building

social relationships, and directing religious advice (spirituality).

The research approach used in this study is qualitative.²⁶ The reason for using this method is because they want to understand and interpret the social behavior of Covid-19 patients, both OTG and Covid-19 patients who are infected with the Covid-19 virus who are in Covid-19 Islamic boarding schools. With a psychosocial and *neurospiritual* approach, a case study at the Covid-19 Muhammadiyah Islamic boarding school located at PKU Muhammadiyah Yogyakarta. In this study, the research subjects were COVID-19 OTG patients and patients affected by the Covid-19 virus, the Director of the Muhammadiyah Islamic boarding school, Muhammadiyah Yogyakarta MCCC. From the four research subjects, it is expected to obtain complete data regarding social behavior, psychological impact, and spiritual aspects with a *neurospiritual* approach. The determination of research subjects was done by the purposive sampling technique. According to Sugiyono,²⁷ This particular consideration is just an example of the person who is considered to know best about what we expect, or maybe he is the ruler so that it will make it easier for researchers to trace the object/social situation under study.

The data collection technique was carried out using the interview, observation, and documentation methods. First, in-depth interviews are guided by the interview guide and are not structured. Interviews are the primary data in this study. The interview was intended to obtain data by asking questions about everything to informants regarding social behavior, psychosocial aspects, and *neurospiritual* approaches related to the social behavior of Covid-19 patients at the Muhammadiyah Covid-

²⁴ Nicolas Palanca-Castan, Belén Sánchez Tajadura, and Rodrigo Cofré, 'Towards an Interdisciplinary Framework about Intelligence', *Heliyon*, 7.2 (2021), e06268 <<https://doi.org/10.1016/j.heliyon.2021.e06268>>.

²⁵ Johnson, Cohen, and Dennison.

²⁶ Sugiyono, *Qualitative Quantitative Research Methods and R&D*, 1st edn (Bandung: Alfabeta, 2017).

²⁷ Sugiyono.



19 Islamic boarding school. Informants who will be interviewed are the director of the Covid-19 Islamic boarding school, COVID-19 patients OTG or not exposed to Covid-19, MCCC Covid-19 Muhammadiyah Yogyakarta. Second, observations are made by obtaining information about social behavior, psychological aspects, and the spiritual response of Covid-19 patients with a *neurospiritual* approach to activities that occurred in the Muhammadiyah Covid-19 *pesantren*. Observations to be carried out are formal or informal. Third, documentation. The documentation that will be studied is the texts and photos of the activities of Covid-19 patients while in self-quarantine at the Covid-19 Islamic boarding school, both in their social, spiritual, and psychosocial aspects. Study photos, archives of cult training documents, and religious advice to improve the spiritual and faith of Covid-19 patients during the Covid-19 pandemic. As well as other notes related to the activities of Covid-19 patients at the Muhammadiyah Covid-19 Islamic boarding school. In this study, this type of data analysis uses the Miles and Huberman method (Miles & Huberman, 2000), namely the activities in qualitative data analysis are carried out interactively and take place continuously until complete so that the data is saturated. Activities in data analysis are reduction, data display, and conclusion drawing/verification. Three main activities are interrelated and occur simultaneously, namely data reduction, data display, and conclusion drawing or data verification.²⁸

²⁸ Sugiyono.

Muhammadiyah Covid-19 Islamic Boarding School

The Muhammadiyah Covid-19 Islamic Boarding School is a health community institution that handles COVID-19 OTG patients with a complete self-isolation model that focuses on three alternative aspects, namely, first, improvement and healing by the medical team of devils against Covid-19 patients, secondly, fostering social relations among communities. others who are trained to maintain communication and familiarity with the boundaries and rules of health protocols, and thirdly the development of faith an immunity(spiritual) development for COVID-19 OTG patients.

In get data from interviews with the PKU Yogyakarta Hospital Director, regarding the establishment of the Covid-19 Islamic boarding school:

"For the first time, the existence of a Covid-19 Islamic boarding school began with an increase in Covid-19 patients who contracted Covid-19. The Covid-19 OTG patients who were affected without symptoms also followed. So at that time, all the hospitals in the city of Yogyakarta were very full, sir. There are even hospitals during the closed Covid-19 that do not want to accept sick patients, even though they are sick without Covid-19 symptoms. Therefore, we together with a small team from PKU Yogyakarta Hospital had a small meeting in the discussion room of the PKU Muhammadiyah Yogyakarta hospital" Tafiqurrahman (Leader of the Muhammadiyah Covid-19 Islamic Boarding School) Interview, Yogyakarta 21 Februari 2021

The researchers interviewed the director of PKU Muhammadiyah Yogyakarta Hospital. Discussions that lead to the alternative origins of the Muhammadiyah Covid-19 Islamic boarding school, which is located at the PKU Muhammadiyah Hospital in Yogyakarta, and is located at Aisiyah University,



Yogyakarta. The two places are alternatives to respond to and overcome the Covid-19 Islamic boarding school.

The researcher continued his interview with the director of PKU Muhammadiyah Yogyakarta Hospital:

"The strategy and function of the Covid-19 Islamic boarding school as an alternative to Covid-19 patients who are rejected by hospitals in general. One of the approaches that Covid-19 Islamic boarding schools have is known as complete self-isolation. Which is engaged in the field of psychosocial and neurospiritual. We know that the Covid-19 patient, for the OTG, is not sick because he was exposed to the Covid-19 Virus. However, they are so because of being ostracized, the psychosocial impact is unstable, and their spirituality is declining. Therefore, one of the known functions and goals, one of which is a neurospiritual approach, where the approach focuses on the patient's brain which is directed to increase faith, pray, and pray." Taufiurrahman, (Leader of the Muhammadiyah Covid-19 Islamic Boarding School) Interview, Yogyakarta 21 Februari 2021

From the results of the interview above, the strategy carried out by the Muhammadiyah Covid-19 Islamic boarding school is that Covid-19 patients are given a plenary self-isolation approach which aims to keep Covid-19 patients social behavior, social relationships remain active. Supported by a psychosocial approach, they are given advice, sports with a religious approach, religious lectures, and increased faith and prayer.

The researcher continued the results of his interview with the director of the Muhammadiyah Covid-19 Islamic boarding school below:

"The development of the Muhammadiyah Covid-19 Islamic boarding school is different from the handling of other Covid-19 prevention. The Muhammadiyah Covid-19 Islamic Boarding School is known for its plenary self-isolation approach. Where only

really recommended and supported by hospitals with plenary status (best hospital service accreditation). In contrast to the self-isolation model in general, which emphasizes physical health healing only. Not on public relations and increasing faith and immunity (psychosocial). This is often experienced by Covid-19 OTG patients without the attention and support of the closest people and the surrounding community. The community is ostracized and discriminated against because it has been confirmed positive for Covid-19, there is a rejection by hospitals that are less willing and reluctant to accept." Taufiurrahman, (Leader Covid-19 Muhammadiyah) Yogyakarta, 21 Februari 2021.

From the results of the interview conversation above the Muhammadiyah Covid-19 Islamic Boarding School specifically for OTG Covid-19 patients (people without symptoms) escaped and refusal from hospitals and the community due to the fear of being infected and contracting Covid-19 and the number of hospitals being increasingly inflated by Covid patients. -19. Now the Covid-19 Islamic boarding school is a place to accommodate the Covid-19 patients. As the activities in it are the same as the flash boarding school starting from four in the morning to nine at night, which are carried out by students, namely OTG Covid-19 patients. Very different from the usual quarantine model which is quite sad with exclusion and discrimination,

Health care for Covid-19 patients at Muhammadiyah Islamic Boarding School

The treatment provided by the health medical team from the Muhammadiyah Covid-19 Islamic boarding school is carried out continuously daily. Strictly carrying out the health protocol as informed by one of the students (Covid-19 OTG patient) based on information, "that he feels happy and grateful even though but at the Muhammadiyah Covid-19 Islamic boarding school but treatment is no less important and controlled by the health



medical team." every day. The services provided by the health medical team carry out health checks every day. This means that the developments that emerge from the *santri* (Covid-19 OTG patients) are monitored continuously, one of the pieces of evidence is the report on the WhatsApp Health Group facility for the Muhammadiyah OTG Covid-19 patient. The health services of the Muhammadiyah Covid-19 Islamic boarding school are more pressing and optimize mental health or the recovery of a strong immune system. It can be said with a complete quarantine isolation model, with a psychosocial and spiritual approach to Covid-19 patients. Where this is with the exclusion and discrimination by the local community and rejection by the surrounding hospital.

Based on interviews with Covid-19 patients, the following are the services and treatments at the Muhammadiyah Covid-19 Islamic boarding school:

"This is it, sir. During the self-service process at the Covid-19 Islamic Boarding School, the services at the Covid-19 Islamic Boarding School are like hospital services in general. During our healing process, the medical team still emphasized maintaining the health protocol with the 3 M, namely washing hands, wearing masks, maintaining social mobility (crowding). Our food and drink are perfectly supported by a healthy 4 5 perfect breakfast. But we are stressed that every day there is exercise together and exercise in the morning and afternoon. To differentiate from hospitals which in general are Covid-19 Islamic boarding schools, they are still given motivation and spiritual strengthening. The bonus is that the service from the medical team is very good." Heru (Pasien Covid-19) Interview, Yogyakarta 21 Februari 2021.

In above is an interview with a Covid-19 patient at the Muhammadiyah Covid-19 Islamic boarding school. This means that the detailed ⁴¹ treatment carried out is to always maintain the health protocol of wearing masks, maintaining

distance, and washing hands, masks that have been used are ordered to be discarded and are not suitable for use. Nutritious intake is given, exercise and sunbathing in the morning every day. Checking the bedrooms and bathrooms of the Muhammadiyah Covid-19 Islamic boarding schoolroom.

The researcher continued the results of his interviews with Covid-19 patients, regarding the following responses at the Covid-19 Islamic boarding school:

"How about your comments and input while at the Covid-19 Islamic boarding school? that's okay, sir, just feel entertained and get a lot of new learning and experiences there. Even though we are together with Covid-19 comrades in arms, there are even 50 members of the Covid-19 patient, our solidarity is maintained. Eat together, exercise together, and study together. We can also meet with the family at home, family comes here. So we don't feel alone anymore, we already have a family to visit and accompany us. But still limited by a strong health protocol." Wawali (Pasien Covid-19 OTG, Interview, Yogyakarta 21 Februari 2021

In line with the results of the informant with the Covid-19 patient, the behavior of the Covid-19 patient was maintained. Physical health immunization is supported by exercise and regular eating. Physical health is supported by religious *tausiyah* and healthy spirit motivation. This means that previously from the Covid-19 patient, his happiness hormone decreased greatly so that it increased dramatically. Spiritual enhancement with a *neurospiritual* approach that researchers associate strongly with. In neuroscience, if the brain is supported by a spiritual approach, the brain will greatly affect other body parts.

Covid-19 Patient Continuing his interview with the researcher, which relates to the following experience at the Muhammadiyah Covid-19 Islamic boarding school:



"The Covid-19 Islamic boarding school is very open to the public, sir. I feel grateful sir, just imagine at that time there were many rejections from other sick people who refused. If our friends who have been in self-isolation in other places have been ostracized, even the medical team is not as attentive as the health services at this Muhammadiyah Covid-19 Islamic boarding school. Here we are trained and required to pray five times a day, read the Qur'an, and recite religious *tausiyah* from the *ustadz*. Carry out the *sunnah* prayer, *tahajjud*, *dhuha*, *tadarus al-qur'an* after each prayer to recitation and study through zoom meetings and even religious sports agenda facilities and wifi facilities that have been provided." Wawali (Pasién Covid-19), Interview, Yogyakarta, 21 februari 2021.

This means that the students or Covid-19 patients feel comfortable and happy during the process of self-isolation at the Covid-19 Islamic boarding school. Moreover, the Covid-19 Islamic boarding school prioritizes and emphasizes psychosocial and *neurospiritual* approaches with worship activities that strengthen faith and immunity. Especially for Covid-19 patients, the emphasis is on increasing faith through religious lecture zoom meetings, prayer approaches with Allah SWT.

Cortex The *neurospiritual* found in the forebrain in the Qur'an with "*nasyiyah*" helps Covid-19 patients give extraordinary enthusiasm. *Neurospiritual* is closely related to the pattern of human life in the world.²⁹This includes the model offered at the Muhammadiyah Covid-19 Islamic boarding school, which is based on the complete self-isolation model. By prioritizing increasing immunity and faith in activities carried out by Covid-19 patients

Fostering Social Relations among Covid-19 Patients

Fostering social relations was carried out in the Muhammadiyah Covid-19 Islamic boarding school to maintain communication and familiarity with other Covid-19 fellows. Greet each other and share opinions to motivate each other so that the immune system becomes stronger. Thus, Covid-19 patients have a family feel and the environmental atmosphere is very supportive for a speedy recovery from Covid-19. It could be said that those who previously felt there was no communication and were ostracized became happy, and from there emerged a new power with the others.

Based on the results of interviews with MCCC Muhammadiyah City of Yogyakarta, related to fostering social relations with Covid-19 patients, MCCC Muhammadiyah Yogyakarta city is part of the management at the Covid-19 Islamic boarding school following the results of the interview:

"Social relations are also carried out to relieve boredom from quarantine and isolation for days, to overcome the most important psychological impact of Covid-19 patients, namely depression, stress, and excessive anxiety. Feeling unable to cope independently with the development of social relationships is getting better. The existence of training and training on how to have good and healthy relationships and how to communicate healthily is directed at fostering social relations. Maintaining relationships and communication is part of recovering from depression and stress so that unsupportive feelings and thoughts go away, and they don't feel alone that there are people closest to them who always support them.." Sigit (leader MCCC Muhammadiyah Yogyakarta), Interview, Yogyakarta, 21 Februari 2021.

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²⁹ Sophia Weiner-Light and others, "The Role of Spirituality in Conceptualizations of Health Maintenance and Healthy Aging Among Latin American Immigrants",

The American Journal of Geriatric Psychiatry, 29.11 (2021), 1079-88 <<https://doi.org/https://doi.org/10.1016/j.jagp.2021.04.017>>.



In above is the result of an interview with MCCC Muhammadiyah City of Yogyakarta at the Covid-19 Islamic Boarding School which is part of the structure and management of the Muhammadiyah Covid-19 Islamic Boarding School. Coaching is very important to improve social behavior during the Covid-19 period. Exchanging opinions, sharing experiences, and motivating each other among Covid-19 patients. This social relationship development is part of a program that is emphasized in Covid-19 Islamic boarding schools during the Covid-19 pandemic. To increase immunity and have a good psychological impact, because, on the one hand, Covid-19 patients are very far from their families. Of course, it requires sharing experiences and strong motivation.

Faith and Spiritual building program

Wrong One supporter in supporting the improvement and health of Covid-19 patients is the development of faith and spiritual improvement programs. OTG Covid-19 patients were given direction and guidance to increase faith and immunity by the Muhammadiyah Covid-19 Islamic boarding school. One example is the existence of a religious worship program beginning with mandatory prayers, which are held regularly and consistently for five times in Islamic boarding schools. And also coupled with sunnah prayers such as tabajjud and dbuha carried out as a routine activity. The Qur'an tadarus program is carried out after prayers for COVID-19 OTG patients. This activity is an activity that is emphasized and optimized by the Muhammadiyah Covid-19 Islamic boarding school so that faith and immunity remain stable.

The thing that one very supportive thing is the existence of online recitation activities held by the manager of the pesantren. The online media zoom model played by the ustadz with a theme that is very supportive and follows the COVID-19 OTG patient. begins with the

theme "related to faith, increasing faith, because faith is the foundation and direction of human belief. As explained by one ustadz who filled the theme about faith, "if the faith of a Muslim community increases universally, attitudes and beliefs become better and more focused". Coupled with improvements related to immunity such as improved lifestyle and psychological effects (Depression and Stress)

An approach that focuses on psychosocial and neurospiritual with a complete independent isolation model for COVID-19 OTG patients Live strong support and motivation to positive patients that Covid-19 is a test and believe that every test has a better reward. It's not much to complain to other people, it's better to pray to Allah SWT, and support from family and closest people. Guidance and direction on good behavior with a healthy and clean lifestyle, remain optimistic, all of which are efforts and an isolation model approach that leads to psychosocial and spirituality in the Muhammadiyah Covid-19 Islamic boarding school. The following is a tabulation based on informants from the results of interviews, analyzed by researchers in tabular form:

Table 1: Islamic Boarding School Covid-19 Muhammadiyah

Table with 3 columns: No, Ustadz name, Material Theme. It lists 5 rows of data regarding the interviewees and their themes.

On the results of the tabulation above, to increase the faith and spiritual power of Covid-19 patients, it is supported by religious tausiyah in the form of zoom meetings. Which has been



arranged and scheduled by the management or committee of the Muhammadiyah Covid-19 Islamic boarding school with the meeting id and password. The speakers as religious *taushiah* were given different themes. 80% of Covid-19 patients responded very well to the contents of the lecture material delivered by the presenters, starting with the theme of the Covid-19 Islamic boarding school Muhammadiyah from a neuroscience perspective delivered by Suyadi 2020, until delivered by Margianto, with the theme Taqwa and Hifzun Nafs with the meeting id and password.³⁰

However, in research by researchers, it is combined with the brain approach, between the spiritual, which is called *neurospiritual*. The neurospiritual perspective of science that explains human spiritual values is closely related to the brain. Suyadi 2020, explained in his book entitled "tracing the brain traces of the perspective of the Qur'an and Neuroscience", that the brain is not only used in medical science, but it is also medical.³¹ But the brain can also be linked with other scientific perspectives in transdisciplinary, interdisciplinary, multidisciplinary discussions. Including the brain juxtaposed with spiritual approaches or spiritual values.

Spiritual Improvement of OTG Covid-19 Patients Neurospiritual Perspective

Neurospiritual is a term used by Taufiq Pasiak to denote a subdiscipline of neuroscience that specializes in the study of the brain and human spirituality. The focus of attention on spirituality neuroscience is for example on

meditation, prayer, forgiveness, love, hope, rituals, and myths which are all seen from the perspective of the brain and the implications it causes. Therefore, spiritual neuroscience is more focused on practicality in the fields of health and medicine. With this practical focus, *neurospiritual* is more focused on internalizing certain values and then externalizing those values in human life.³²

The including are used by researchers as a perspective from the social behavior and individual behavior of Covid-19 patients who were previously ostracized and avoided by the community caused by Covid-19. The findings of neuroscience provide empirical support for the existence of a biological framework in the human brain when a person is in a mystical or spiritual state, regardless of religion. Several genes code for chemical mechanisms and areas of spirituality in the brain.³³ One of them is a gene encoding a protein that carries the neurotransmitter serotonin, which is one of the monoamine group neurotransmitters that affect spirituality by changing consciousness, which can be broadly defined as our sense or sensitivity to reality, awareness about ourselves and the universe around us, including our thoughts, memory, and perception. The following is a *neurospiritual* interpretation:

³⁰ Mohammad Jailani, Suyadi, and Dedi Djubaedi, 'Tracing the Traces of the Brain and 'Aql in the Qur'an from the Perspective of Neuroscience and Islamic Education in the Era of the COVID-19 Pandemic', *Tadris: Journal of Islamic Education*, 16.1 (2021), 1–19 <<https://doi.org/10.19105/tjpi.v16i1.4342>>.

³¹ Suyadi and Hendro Widodo, 'Millennialization Of Islamic Education Based On Neuroscience In The Third Generation University In Yogyakarta Indonesia', *QIJIS: Qudus International Journal of Islamic Studies*, 7.1 (2019), 173–202 <<https://doi.org/DOI:10.21043/qijis.v7i1.4922>>.

³² Rebecca Alexander and others, 'The Neuroscience of Positive Emotions and Affect: Implications for Cultivating Happiness and Wellbeing', *Neuroscience and Biobehavioral Reviews*, 121 (2021), 220–49 <<https://doi.org/10.1016/j.neubiorev.2020.12.02>>.

³³ Afzal Javed and others, 'Reducing the Stigma of Mental Health Disorders with a Focus on Low- and Middle-Income Countries', *Asian Journal of Psychiatry*, 58.December 2020 (2021), 102601 <<https://doi.org/10.1016/j.ajp.2021.102601>>.

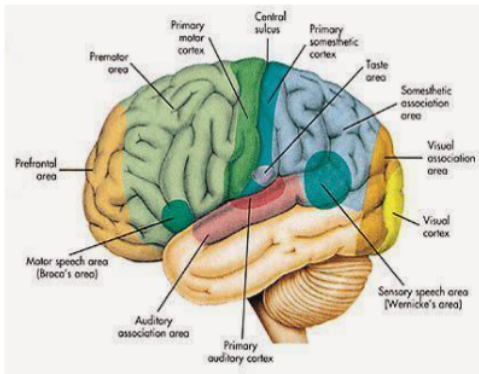


Figure 1. Neurospiritual

As for spirituality, Taufik Pasiak pays full attention to the prefrontal cortex without neglecting other parts of the brain. Self-awareness cannot be separated from the cognitive aspect of the brain, because every conscious action is related to sensation, memory, and perception. This is one of the important roles of the frontal cortex.³⁴ According to Pasiak, the prefrontal cortex area in the human brain is the most developed part of the brain and occupies 30% of the human brain. In the prefrontal cortex too, the meaning of life and the human ability to distinguish good and bad can be observed from this which can be a mediator between loyalty and spirituality. The meaning of life itself is part of spirituality.³⁵ In the anatomy of the human brain, the position of the prefrontal cortex is in the front area of the frontal lobe. The creation of spirituality in the prefrontal cortex is in the front area of the frontal

lobe.³⁶ The creation of spirituality in the prefrontal cortex cooperates with other brain parts such as the prefrontal cortex, cingulate gyrus, basal ganglia, temporal lobe, limbic system, and anatomical nervous system. This component is then referred to by Pasiak as a *neurospiritual* operator.

Development of Social Relations Psychosocial perspective

One of the efforts of the Covid-19 Islamic boarding school is fostering good social relations. Covid-19 patients need to be nurtured and encouraged to keep their immune and stress levels stable. As a result of the relentless Covid-19 virus, it has more or less affected Covid-19 patients.³⁷ Therefore, the Covid-19 Islamic boarding school made efforts with the PKU Muhammadiyah Yogyakarta medical team to provide guidance and training to add positive energy to Covid-19 patients. As a form of education, such as doing online courses by responding to Covid-19 patients with interesting themes.

Therefore, psychosocial assistance or support from other parties, including the Covid-19 Islamic boarding school, is needed to respond well. When the community and hospitals avoid it, one alternative is for COVID-19 OTG and ODP patients to be embraced and given alternatives or solutions.³⁸ An alternative with a complete self-isolation approach that leads to psychosocial aspects that aim to protect or improve psychological well-being and

³⁴ Pietro Matracchi and Ali Sadeghi habibabad, 'Prioritizing the Effect of "Light" in the Religious Places and Environments with an Emphasis on the Sense of Spirituality', *Ain Shams Engineering Journal*, 13.1 (2021), 101514 <<https://doi.org/10.1016/j.jasej.2021.05.028>>.

³⁵ Javed and others.
³⁶ Dilip V Jeste and others, 'Is Spirituality a Component of Wisdom? Study of 1,786 Adults Using Expanded San Diego Wisdom Scale (Jeste-Thomas Wisdom Index)', *Journal of Psychiatric Research*, 132.9 (2021), 174-81

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³⁷ Jane B. Hopkinson, 'The Psychosocial Components of Multimodal Interventions Offered to People with Cancer Cachexia: A Scoping Review', *Asia-Pacific Journal of Oncology Nursing*, 8.5 (2021), 450-61 <<https://doi.org/10.4103/apjon.apjon-219>>.

³⁸ Emily Marie Pacheco and others, 'Integrating Psychosocial and WASH School Interventions to Build Disaster Resilience', *International Journal of Disaster Risk Reduction*, 65, August (2021), 102520 <<https://doi.org/10.1016/j.ijdrr.2021.102520>>.



prevent and treat mental and psychosocial health conditions.³⁹

In developmental psychology, much has been discussed about the stages of social development of children, adolescents, and society, among the figures who contributed in this case, is Erik H. Erikson's theory of psychosocial development. Erikson said that the term "psychosocial" concerning human development means that the stages of a person's life from birth to death are shaped by social influences that interact with an organism that makes a person physically and psychologically mature.⁴⁰

Psychosocial, of course, is not only for COVID-19 OTG and ODP patients, but individuals who have recovered from Covid-19, support include meeting basic needs, reducing emotional stress, sharing positive information, increasing and maintaining positive relationships, reducing stigma, and increasing resilience health workers, and close family and relatives also need psychosocial support. Some things that can be done as a form of psychosocial.

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Conclusion

Based on the results and discussion, it can be concluded that with the existence of the Covid-19 Islamic boarding school, Muhammadiyah helps Covid-19 patients stay healthy and maintain their immunity and stress. OTG Covid-19 patients and ODP patients who were previously rejected in all hospitals were even ostracized due to the soaring Covid-19 in Yogyakarta. Even hospitals throughout the city of Yogyakarta did not give permits to Covid-19 patients. Covid-19 patients OTG and ODP have increased very quickly, even reaching 4 thousand. OK, so the Covid-19 Islamic boarding school was initiated by the Medical Team and Director of the PKU Muhammadiyah

Yogyakarta Hospital, which is located at PKU Muhammadiyah Yogyakarta and Aisiyah University, Yogyakarta City.

The Covid-19 Islamic Boarding School uses the complete self-isolation approach model at the Covid-19 Islamic Boarding School, there are two psychosocial and *neurospiritual* aspects. To improve and heal Covid-19 patients by increasing faith and immunity. Neurospiritual on the spiritual improvement of Covid-19 patients supported by obligatory prayers in congregation, voluntary fasting, sunnah prayers, *tadarus* Al-Qur'an can help in increasing the power of spiritual faith. The development of social relations with psychosocial help Covid-19 patients not stress and decrease immunity. Therefore, this research has implications for alternative models of Covid-19 prevention, both from physical health and spiritual health, namely faith. The research contributes to increasing social development and religious behavior during the Covid-19 period.

The researcher recommends the next researcher, follow up this research regarding the complete isolation model of the Al-Qur'an perspective, and social behavior related to religious behavior in *neurospiritual* and psychosocial aspects during the Covid-19 period.

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