



Pentahelix Collaboration: Community Empowerment in Indonesia's COVID-19 Response

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Abstract: Efforts to manage the COVID-19 pandemic are crucial, particularly in addressing the challenges that arise. This study focuses on the Tangguh Village Program in Indonesia, examining the roles of various stakeholders, including government officials, business coordinators, academics, community leaders, and media professionals. Using a qualitative descriptive method, data were gathered through interviews, observations, and documentation. Despite extensive efforts, a gap remains in understanding how collaborative governance models can effectively integrate these diverse sectors. This research aims to explore the effectiveness of the Pentahelix model in fostering community resilience and participation. Findings indicate that the success of the Tangguh Village Program is driven by collective awareness and bottom-up participation, highlighting the importance of community involvement and inter-sectoral collaboration. The implications suggest that localized, collaborative efforts can significantly enhance public health responses and compliance with health protocols, providing valuable insights for improving pandemic management strategies globally or a form of community participation. and the government in dealing with the COVID-19 pandemic.

Keywords: Pandemic, Collaboration, Tough Village

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Introduction

In December 2019, the world was shocked by an outbreak disease *pneumonia* new one that started in Wuhan, Hubei Province, which then spread quickly to more than 190 countries and territories. This outbreak was named *Coronavirus Disease 2019* (COVID-19) which is caused by *Severe Acute Respiratory Syndrome Coronavirus-2* (SARS-CoV-2). The problem is this virus has succeeded infecting thousands of millions of people globally over time very short [1]. Even Humans without showing symptoms of being infected with COVID-19 can also spread it to other humans [2]. This virus eventually developed and became a pandemic that spread rapidly fast all over the world. Public Health Emergency in the Laws of the Republic of Indonesia Number 6 Year 2018 about Quarantine Health is incident health public Which extraordinary in

nature, characterized by the spread of infectious diseases and/or events caused by radiation nuclear, pollution biology, contamination chemistry, bioterrorism, And food Which give rise to health hazards and has the potential to spread across regions or across countries. On January 30, 2020 *The World Health Organization (WHO)* has declared it a public health emergency disturbing the world. In a journal entitled *Epidemiological Characteristics of Early COVID-19 Case Outbreaks in Indonesia* was explained on March 31 2020 by 200 countries from all regions world (Asia, Africa, America, Europe and Oceania) confirmed the populations of these countries are infected COVID-19.

In Indonesia, the public only realized it following the announcement made by President Joko Widodo via the media on March 2 2020 regarding two Indonesian citizens who positive for COVID-19 infection [3] . In this announcement the President explained that cases had emerged First COVID-19 in Indonesia happen Because exists carrier virus, so that will cause exposure to people who have contact with the carrier. However, there is an incubation time for 2 – 14 days which can be used to see whether the person is infected or not. If If the person is in the positive category, special treatment and care needs to be carried out so that do not spread the virus to other people. The speed of transmission of COVID-19 also depends on the number contact with potentially positive people, either directly or indirectly, through the media other infectious agents or in the region. If this is not handled immediately there will be a spike in cases person Which infected even case positive [4] .

Following This is development amount case positive COVID-19 in Indonesia from month March on year 2020 until month August on year 2021.

Table 1. Development Amount Case Positive Covid-19 In Indonesia

YEAR	NUMBER
2020	743,198
2021	3,440,396

Source : Data processed from Ministry Health R1

Based on table 1 above, the development of the spread of positive COVID-19 cases in Indonesia from March 2020 to August 2021 it reached 3,440,396 cases. Java Province East become Wrong One Province with amount case positive COVID-19 the most in Indonesia. Following development number of cases COVID-19 in Province Java East.

Table 2. Development Amount Case Positive Covid-19 In Province Java East

YEAR	NUMBER
2020	84,152
2021	312,103

Source : Data processed from Ministry Health R1

Table 2 serve data case confirmed positive COVID-19 in East Java Province on year 2020 there were 84,152 positive cases and in 2021 from January to August there were 312,103 Which confirmed case positive.

Table 3. Development of the Number of Positive COVID-19 Cases in Sidoarjo Regency

YEAR	NUMBER
2020	7,980
2021	21,005

Source : Data processed from Ministry Health R1

Based on table 3 above, it is known that in 2020 there were 7,980 positive cases and in year 2021, starting from January to August, there were 21,005 confirmed positive cases COVID-19 in Sidoarjo Regency. And that indicates that every day the number of positive cases is increasing And not Can estimated until when is this end.

The very rapid spread of the virus has an impact on many aspects of human life in world. Every individual is required or even forced to transform and adapt to conditions This new concept is currently underway [5] . In responding to the current conditions in Indonesia, so from That Government Indonesia through Ministry Health emit policy Which stated in Minister of Health Regulation Number 9 of 2020

concerning Guidelines for Social Restrictions Large-Scale (PSBB) in the Context of Accelerating Handling of *Corona Virus Disease 2019 (COVID-19)* . Then prosecuted move on with Regulation Minister In Country Number 20 Year 2020 about Acceleration Handling *Corona Virus Disease 2019 (COVID-19)* in Environment Government Region [6] . Government Sidoarjo Regency makes Regent Regulations (Perbup) Sidoarjo No 39 Years 2020 concerning the Third Amendment to Perbup Number 31 of 2020 concerning Guidelines for Implementing Restrictions Social Scalable Big (PSBB) in Handling Plague *Corona Virus Disease 2019* in Regency Sidoarjo. Change from Regional Regulation Sidoarjo Number 31 Year 2020 about Guidelines Implementation Large-Scale Social Restrictions in Handling the *2019 Corona Virus Disease Outbreak* in the Regency Sidoarjo became Sidoarjo Regent Regulation Number 39 of 2020 because the previous regulation contained guidelines PSBB on generally, like guard distance, use face mask, wash hand with using soap and running water as well as rules related to Health protocols [7] . Based on the Regency Regulation Sidoarjo No. 39 of 2020 above, village/subdistrict government areas are encouraged to do formation village tough in a way selective And on base initiative from RT/RW/hamlet/neighborhood And set with Decision Head Village/ Ward. Decree regarding the tough village area, it can be anywhere as long as it is within the scope of the village area/ ward.

Good policies alone are not enough in efforts to deal with Covid-19 in this country. Besides that, it requires community commitment to comply with all government rules and policies as well cooperation between *stakeholders* (government, society and the private sector) in realizing strengths and defense in facing the pandemic, especially in Indonesia. A form of collaboration carried out by government, namely through the Resilient Village Program to discipline the community regarding its importance protocol health in prevention And disconnect eye chain spread virus Covid-19. With exists implementation through collaboration expected public later capable face problems more independently on problems that occur dynamically so that the principles *good governance* can be realized [8] .

Model collaboration *pentahelix* considered most qualified For implemented in effort disaster management COVID-19 outbreak. That matter strengthened by statement Doni Monardo as Chair of the COVID-19 Task Force, namely, *pentahelix* model collaboration based on regional values or wisdom Local services can be used as an alternative to reduce the spread of the COVID-19 virus. In *Pentahelix* model collaboration has five elements that must be present, namely, government, business people, community public, academics And Also media. Collaboration model *pentahelix* trusted can realize community independence more quickly so that they are less dependent on the government at the moment or post-occurrence disaster [9] .

The village is an object that has a very important role because it is a village or village the last bastion of defense in efforts to prevent the spread of Covid-19 and villages have a good chance very big in matter discipline its people For obey protocol health And develop the community's economy. Under these conditions, society has demands to continue to meet needs by working independently utilizing existing resources. This resilient village program is community-based and involves all residents without exception in the implementation of this program. Even village tough Which *problem* based *solving* made as an effort to solve problems in the midst of the corona virus. Not only is it a tough village tough For combat virus corona But Also tough in field economy, security And need food [10] .

Village Cangkringsari is Village Which is at in Subdistrict Sukodono Regency Sidoarjo.

Before there was a policy regarding PS BB and Ka mpung Tangguh, one of the hamlets in Cangkringsari Village namely Cangkringan Hamlet has made efforts to handle COVID-19 based on citizen initiative. Effort as step initiative Which done, covers establishment posts, guarding 24 O'clock And socialization so that residents comply with health protocols as well as providing food storage for residents especially for residents affected by COVID-19 and residents who cannot afford it. This is a manifestation of existence activity public Which form capital social Which own role in implementation policy

handling pandemic COVID-19 with created connection collaboration between public with government [11].

See problems on collaboration Which happen between para actor the not yet optimal, so there needs to be an active participation role between actors in resolving various issues problem Which happen. Based on background behind Which has explained, so study This done with objective For describe And analyze process collaboration in policy handling pandemic COVID-19 with title “ *Collaborative Governance Pentahelix in handling spread Covid-19 through program Village Tough (Studies case Village Tough in Hamlet Cangkringan Village Cangkringsari Subdistrict Sukodono Regency Sidoarjo)*.”

Materials and Methods

The type of research in this research is qualitative with descriptive methods. According to [12] qualitative research is research used to examine the condition of natural objects, Which his research try understand problems social based on with fact Which found in the field. After it was done an analysis or study in order to obtain something a clear picture or result in solving the problem faced. This is descriptive qualitative research is research that aims to describe or explain something like what exists based on observation directly [13]. Location study This is in Hamlet Cangkringan Village Cangkringsari Subdistrict Sukodono Regency Sidoarjo.

Informants in this research include: 1). from the Government Sector (Plt) Sidoarjo Regent, namely Mr. Nur Achmad (late) and (PJ) Head of Cangkringsari Village, namely Mr Suhut. 2). from the Business Sector namely Mrs. Farida (Basnaz Coordinator, Sukodono District) 3) from the Academic Sector, namely Mas Niko and Mbak Maryama (KKN Uinsa and Unesa 2020). 4) from the Community, Chair of RW 03 as Chair The administrator of Cangkringan Hamlet's Resilient Village is Mr. Dini Purnawansyah. 5). from the Media Sector miss Vega And miss Sella (Newspaper Radar And Content Creator). Technique collection information data in a way qualitative that is from data primary And secondary. Which where data primary or direct obtained from the results of interviews, observations and documentation. Meanwhile, secondary

data was obtained from various sources literature whether from books, journals, notes, words, pictures or writing when conducting research. Data analysis techniques using *interactive models* include data reduction, data presentation, and conclusion.

Results and Discussion

A research location is a place or area where research takes place or is carried out and to obtain sources of information or data sought regarding the problem formulation. Study This done in Village Tough Hamlet Cangkringan Village Cangkringsari Subdistrict Sukodono Regency Sidoarjo. As for reason researcher take location This, Because see exists forms of efforts that have been made by the community, government, both at the central and regional levels area in handling spread of *coronavirus Disease 19 (Covid-19)*.

Based on the results of research conducted by researchers related to *Collaborative Governance* in preventing the spread of *Coronavirus Disease 19 (Covid-19)* through the tough village program in Cangkringan Hamlet, Cangkringsari Village, Sukodono District, Sidoarjo Regency, the researcher will carry out a discussion in this section which will be studied theoretically based on the theory prepared by [14] has several stages consisting of *starting condition* (initial conditions), *institutional design* (institutional design), *facilitator leadership* (leadership facilitator), *Collaborative process* (process collaboration).

The most ideal collaboration model is the *pentahelix collaboration model*, which is also in accordance with Dini Purwansyah's direction as Chair of Cangkringan Hamlet's Resilient Village. One impact positive implementation collaboration model *pentahelix* in effort handling epidemic COVID-19 is the involvement of various elements such as the community. There is a community can be an accelerator of predetermined goals. This is because the community can accelerate the delivery of programs related to efforts to handle the COVID-19 outbreak, so that they will be able to build awareness society in improving vigilance against the epidemic Which currently happen,

and comply with and participate in the success of the programs issued by the government. Aligned with [15] which explains that *pentahelix collaboration* exists role important to play in the support objective together.

Condition Beginning

Several activities or circumstances capable form situation Why A collaboration must carried out, before the collaboration process is determined. This condition is called the initial condition. According to the basic theory in this research which refers to the *collaborative governance model* by [1], the initial condition variable includes three factors, namely imbalance resource, history period Then, And incentive.

The first initiative, in order to prevent the transmission of COVID-19 in Cangkringan Hamlet, began from he wrote letter dated 31 March 2020 by Chairman RW 03 Hamlet Cangkringan ie Early Purwansyah. The letter was addressed to the Person in Charge (PJ) Head of Cangkringsari Village with Number letter 01/RW-03/CS/III/2020. Contents letter the about application so that quick did it steps real Which appropriate, fast, And measurable related with prevention And control spread COVID-19 in region Village Cangkringsari by P.J Head Village Cangkringsari. Initiative The next step is to issue Circular Letter Number: 001/ SE/ RW-03/ IV/ 2020 by the Head of RW 03 Dusun Cangkringan distributed to all residents of Cangkringan Hamlet. The circular contains: about things as follows:

1. *Start Day Tuesday, date 07 April 2020 will held guarding 24 O'clock in door enter Hamlet Cangkringan;*
2. *Anybody Which want to enter region Hamlet Cangkringan, required For wash hand with soap in the place has provided;*
3. *Timetable guarding shared become 4 (four);*
4. *Guarding 24 O'clock taking place during period emergency Still Not yet revoked by Government;*
5. *During this emergency period, we ask that all residents be willing to give some of his sustenance is in the form of Rp. 1,000,- per day for each house that will be effective from April 10 2020. We will use this money for fees 24-hour security operations, complete hand washing and*

- spraying facilities fluid disinfectant for vehicle Which crossed in post guarding;*
6. *We are all RW 03 administrators and RT administrators. 10, 11, and 12 as well as the Village Head Cangkringan will distribute cloth masks for free to all residents Hamlet Cangkringan;*
 7. *When we distributed the free masks, all the residents of Cangkringan Hamlet Which will go out And enter to region Hamlet Cangkringan must use masks/similar;*
 8. *For all residents of Cangkringan Hamlet to reduce activities outside the home which is not that important, and if forced it is recommended to continue using it face mask And guard distance safe between person so far minimum 1 meters;*
 9. *For every person outside No allowed enter to in region Hamlet Cangkringan, except there is needs Which very important And urge;*
 10. *Matters that have not been regulated in this circular letter will be further regulated by consider suggestion And input from all over inhabitant Which be delivered through chairman RT each*

Picture 1 Posts Prevention Deployment COVID-19 in Hamlet Cangkringan

The image is a portrait of the Command Post for Preventing the Spread of COVID-19 which was established by residents of Cangkringan Hamlet based on the initiative of local residents. Guarding at the Command Post is carried out every day by a team of volunteers who are residents Cangkringan Hamlet during 24 hours as written on letter circular chairman RW 03 Cangkringan Hamlet.

Design Institutional

Institutional design is the second variable in *collaborative governance* according to [1] design institutional refers on rule- rule base And institutions that regulate the *collaborative governance process* so that the program can run smoothly consistent, fair and open. Additionally, [5] says that one indicator success from *collaborative governance* is design institutional Which clear Where there is certainty and clarity regarding the organizers of *collaborative governance programs* and the rules rule Which underlying the way program.

Basic rules governing every collaboration process in the Tetuang Di Resilient Village Program Sidoarjo Regency Regulation No. 39 of 2020 there is 1 (one) chapter, namely Chapter VA concerning Resilient Villages, following This explanation Article 19A:

1. *Government Village/ Ward form village tough in his territory.*
2. *The formation of resilient villages as referred to in paragraph (1), is carried out selectively by prioritizing community self-sufficiency and prioritizing villages/districts which has red zone status, in the context of handling Coronavirus Disease 2019 (COVID-19). Formation village tough as intended on paragraph (1),*
3. *carried out on the initiative of the RT/RW/hamlet/neighborhood and determined by the Head's Decree Village/Subdistrict.*
4. *Areas village tough can use village/subdistrict/hamlet/ environment/RT/RW in accordance level spread Corona Virus Disease 2019 (COVID-19).*
5. *By being designated as a resilient village, the village/sub-district government is obliged to fulfill: (a)Provision tool And infrastructure, (b) personnel, (c) Head's Decision Village/Subdistrict .*

Because of this initiative, Cangkringan Hamlet was then appointed and designated as village tough with made And he determined SK Head Village Cangkringsari Number: 188/14/438.7.10.08/2020. The decree was issued on May 28 2020 which determined that RW 03 Hamlet Cangkringan as Village Tough in Handling Plague COVID-19 in Village Cangkringsari Subdistrict Sukodono.

On June 27 2020 a *launching event was held* where Cangkringan Hamlet was inaugurated by Sidoarjo Regency Government as a Resilient Village by the Deputy Regent of Sidoarjo. *Launching event* This is the inauguration event for tough villages for all tough villages in the sub-

district area Sukodono. Location *launching* is at in Village Tough Cangkringan Hamlet.



Figure 2. Resilient Village Launch In Cangkringan Hamlet Which Was Inaugurated By Acting Regent Sidoarjo (Alm. Nur Ahmad)

Leadership Facilitator

Process leadership direct coordinated by Chairman Coordinator Inhabitant Village Tough, which was developed directly by the Head of Cangkringsari Village. The form of leadership carried out in this program is facilitative leadership where the *collaborative governance program* is intended to provide benefits to many parties, especially the community, for the success of the Village Program Tough.

Based on model *collaborative governance* by [1] Facilitative leadership plays an important role in the *collaborative governance process*. This too conveyed by [7] who said that leadership is a form of coordination all source Power Which There is through process planning, organizing, briefing, And control so as to achieve the desired goals. During the implementation of Resilient Village in program *collaborative governance*, form realization leadership facilitative done with provide benefits while educating the public about the importance of reducing mobility as well other factors that can inhibit the spread of Covid-19. Apart from that, the Chief Village Coordinator Tangguh is also responsible for activities in the tough village and commands them all over structural management For ensure all over SOUP village tough executed Also SOUP on when the incident occurred COVID 19 executed with Good.

Process Collaboration

Based on explanation previously, Chairman Coordinator Village Tough together with Government Cangkringsari has collaborate with

party Sidoarjo Regency Government. Whereas from party Of course internal Village members also include members of Volunteers, Youth Organizations, and the community Cangkringan Hamlet to ensure the success of the Resilient Village Program in dealing with Covid-19.

The collaboration process was carried out directly by the Head of the Kampung Tangguh Coordinator along with Village chief which then inform directly to society through socialization to residents involving religious and community leaders to provide all information related with the tough village program, as for the portrait as following:



Picture 3. Socialization To Inhabitant Which Involve Figure Religion And Public

Chairman of the Resilient Village Coordinator, along with the management of the Resilient Village Organization and Bhabinkamtibmas tries at all times to hold face-to-face meetings and dialogues to invite people public care And active to program village tough, in program This every month And Every week there is an evaluation and there is also a meeting regarding distribution progress issues Covid-19 in Hamlet Cangkringani, always There is efforts For public still role like exercise regularly and people also become cleaner and healthier because of using it protocol 3M health (wearing a mask, keep the distance And wash hand).

There was face-to-face dialogue between the Cangkringsari Village Government, the head of the village coordinator tough and Bhabinkamtibmas with communities that have been implemented in the tough village program, This is in accordance with research [11] where face-to-face dialogue is a tool in the process collaboration To use inform or explained all form policy, taking decision, and activities that will be held in the *collaborative governance program*. Apart from that, dialogue

activities face to face is also mentioned by [1] as a process that aim reach consensus or agreement together so it's important in process collaboration.

Chairman of RW 03 Cangkringan Hamlet in a news broadcast on a video application *streaming* , that is 'Videos' with title the show is Resilience Food in Village Tough Cangkringan, which was then partly broadcast on television news, namely Indosiar Focus. On the page videos the Early Purnawansyah Wrong a inhabitant Hamlet Cangkringan Which at a time as Chairman

RW 03 explained that the Command Post for Controlling the Spread of COVID-19 in Kampung Tangguh had established since date 7 April 2020.

In mid-May 2020, the resilient village in Cangkringan Hamlet was effectively established walk. Preparation resilience food as effort anticipation scarcity food during pandemic COVID-19, a food barn was built by collecting the rice harvests of local rice farmers local. Besides it's prepared also land marginal to exploit inhabitant to be planted vegetables, fruit, And Also used for the pool cultivation fish catfish. As for his portrait as following:



Figure 4. Resilience Food Pool Fish Catfish And Land Vegetables

In the media publication, namely the Radar Sidoarjo Newspaper edition dated 17 July 2020, it was explained that Kampung Tangguh Dusun Cangkringan has carried out guarding of the Kampung Tangguh Command Post with tight for 24 hours. The chairman of RW 03 Cangkringan Hamlet has carried out outreach efforts to residents related action Which must done if there is inhabitant Which infected COVID-19

so that Can handled together. Besides That Also readiness barn food in Hamlet Cangkringan Which form collected rice from the harvest local residents, cultivation catfish, and vegetable plants all of which was carried out by a team of volunteers. Food barns managed independently is a step anticipation If a crisis occurred food consequence COVID-19 pandemic.

Dusun Cangkringan Desa Cangkringsari Kecamatan Sukodono Ciptakan Lumbung Pangan untuk Warga

SUKODONO- Pemerintah Dusun Cangkringan Desa Cangkringsari Kecamatan Sukodono terus memantau posko kampung tangguh selama 24 jam. Hal itu sebagai bentuk upaya mencegah penyebaran Covid-19 yang masih terjadi di wilayah Sidoarjo.

Ketua RW 03 Dusun Cangkringan Desa Cang-

kringsari, Dini Purnawansyah menuturkan, seluruh warga yang keluar masuk ke wilayah Cangkringsari diminta untuk turun dari kendaraannya. Selanjutnya diwajibkan cuci tangan terlebih dahulu di posko kampung tangguh.

"Mereka juga wajib menggunakan masker, itu salah satu upaya kami dalam mengawasi masya-

rakat yang keluar masuk," katanya.

Selain itu, pihaknya juga mensosialisasikan kepada masyarakat terkait tindakan ketika ada tetangganya yang berstatus ODP, PDP atau bahkan terkonfirmasi Covid-19. Hal itu dinilai penting agar tanggung jawab warga dapat dilakukan secara bersama-sama.

Sementara untuk menciptakan ketahanan pangan, pihaknya juga membentuk lumbung pangan. Hasil panen warga sekitar dihimpun untuk disalurkan kepada warga seandainya krisis pangan. Lumbung pangan itu juga diwujudkan dengan budidaya pepaya California.

"Ada pula penanaman sayur oleh tim relawan, perberdayaan ibu-ibu hingga pembuatan produk bahan olahan pepaya," jelasnya. (far/nis)



KOMPAK: Ketua RW 03 Dusun Cangkringan Dini Purnawansyah (kiri) saat memantau posko kampung tangguh.

FIGURE 5 SOURCE : NEWSPAPER RADAR SIDOARJO DATED EDITION 17 JULY 2020

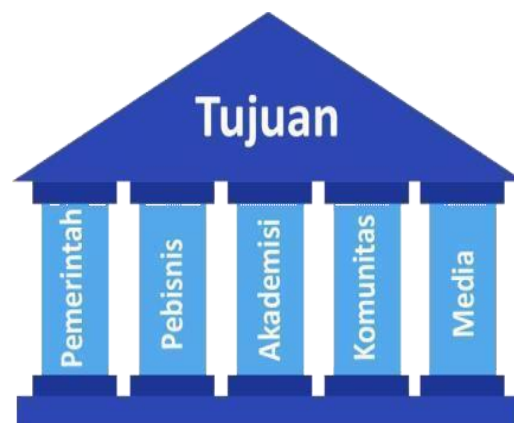
This is a manifestation of community activity in the form of social awareness has a role in implementing policies for handling the COVID-19 pandemic by creating relationships cooperation between public with government.

There are various collaboration models that can be used, but currently the most ideal is collaboration model *pentahelix*, Which Also in accordance with instruction Early retired as Chairman Village

Tough Cangkringan Hamlet. One of the positive impacts of implementing the *pentahelix* model collaboration In efforts to handle the COVID-19 outbreak, there is the involvement of various elements such as the community society. The existence of a community can be an

accelerator of the goals that have been set. This is because the community can speed up the delivery of programs related to handling efforts epidemic COVID-19, so that will capable build awareness public in increase be alert to the current outbreak, and comply with and participate in the success of the program which has been issued by the government. In line with [9] which explains that collaboration *pentahelix* have role important For play in in support objective together.

According to [12] the *pentahelix* model of collaboration is a reference for developing cooperation between agency To use reach objective Which targeted. Every element own function each where from function it will create collaborative interactions. Element The first is the government own function as regulators, coordinator And controller. Element second is businessman works as an infrastructure provider, human resource developer and supporting infrastructure and funding. The third element is community, functioning as an accelerator, or liaison between society and society stakeholders. The fourth element is a academic, functioning as a conceptualizer. Fifth element is media, works as actor Which support publication on purpose Which want to achieved.



Picture 6. Scheme Collaboration Model Pentahelix

Source: Processed Researcher

Furthermore on level implementation program And policy there is various actor Which involved. Each element has actors from various circles, for example, the government element can have actors from bureaucracy, executive, legislative, judiciary or judicial institutions. The academic element can be from among teachers, students or researchers.

Business elements can be from the industrial, banking or consumer sectors. Community element public can originate from pressure group or organization

Identification Sample Actor Which Involved

Actors involved in efforts to handle the spread of COVID-19 in Kampung Tangguh Cangkringan Hamlet, Cangkringsari Village through the *pentahelix model* certainly has the same goal. Both elements of government, business, academics, community and media collaborate with each other so that COVID-19 outbreak Can handled with Good.

For determine the sample actor Which involved from every the elements, determined first actor from element government Which furthermore done excavation through method interview. Determination This based on indicators function element government in collaboration theory *pentahelix* model Which includes, coordinator, regulators And controller. Like Which has explained on part introduction that, the Sidoarjo Regency Government and the Cangkringsari Village Government have a central role and become *leading* in effort handling it. So that For determined fourth element other And the actor based on the results second interview agency the. Following is the source from the Sidoarjo Regency Government And Village Government Cangkringsari.

Table 4. Source person From Element Government

DEPARTMENT OF	RESOURCE PERSONS
Local Government Regency Sidoarjo (Pt) Regent Sidoarjo	(deceased) Nur Ahmad
Pt) Regent Sidoarjo	
Village Government Cangkringsari	Suhut(PJ) Head Village Cangkringsari

Source: Processed Researcher

The results of interviews with the two sources from government elements revealed that, in effort handling spread COVID-19 in Village Tough Hamlet Cangkringan Village Cangkringsari is indeed trying to implement the *pentahelix model of collaboration* . It was explained that, This collaborative model approach will be able to increase the effectiveness of

handling efforts done. Collaboration is also carried out with other government agencies/SKPD, because basically everyone agencies within the local government are obliged to involve all the resources they have, starting from infrastructure, personnel and budget in dealing with the COVID-19 outbreak. From that interview This was carried out by sources representing the Sidoarjo Regency Government or the Cangkringsari Village Government several actors from the other four elements (academics, business people, community, media), then from Several of these options, the researcher determined one actor from each element as a sample for later done excavation data through interview. Following actor Which researcher choose as source person. Tabel 5

Table 5
Identification Source person

Elements	of Resource Person	Position/Position
Academician	Niko Dwi	KKN Uinsa 2020
	Maryama	KKN Unesa 2020
Farida	Business	Coordinator Basnas Sukodono
District Community Early Society	Purnawansyah	Chairman Village Tough
Vega Media	Sella	Journalist Letter News Radar Sidoarjo
		Content Creator Proud Sidoarjo

Source: Processed Researcher

Function Element Which Involved Element Government

Element government on basically become element Which most responsible answer in implementation every policy Which issued government center or area, likewise Also in all over program And policy related handling epidemic COVID-19 in Sidoarjo Regency. Element government have authority Which big And fully hold power in policy Which implemented in the area. Reviewed from collaboration model pentahelix element government own function as coordinator, regulators And controller. From results study through method interview Which done with element government, in matter This District Government Sidoarjo And Village Government Cangkringsari found results as following: Results interview with Father Nur Ahmad (Plt Regent Sidoarjo) And Father Suhut (PJ Kadesh Cangkringsari) pointed out that, government elements has endeavor do coordination with fourth element other in model pentahelix . Form of coordination vary on every the

elements. Next from function regulators, government has make policy Which own contribution in a way significant in effort handling disaster epidemic COVID-19. " Village Tough No only beneficial For push spread Covid-19 just. Will but Also make tough from facet security, mutual cooperation, and Ready standby in villages. There is a number of toughness Which done para Task Force in Posts Village Tough. Example Division funeral, health And food, Wrong One example invite inhabitant compact handle victim virus Corona. All each other care And mutual work together. One with other together like Which in do Danramil 15/Sukodono along with para Babinsnya To use give Spirit And encouragement to inhabitant so that formed dragonfly tough in *several villages including Ds Cangkringsari are currently helping residents affected by Covid-19, we hope can be imitated by other residents. "The Sidoarjo Regency Government strongly supports the efforts of villages to quickly recover from impact of Covid-19. One of the most effective is through the formation of Resilient Villages."* Apart from that, Cak Nur warned return though moment This Already pass stages PSBB until Which third so that The public continues to comply with Covid-19 prevention health protocols. Apart from that, get used to life clean and healthy. "So that Sidoarjo is truly free from the Corona virus, we hope several villages in Sukodono District which are red zones can soon return to normal. Affected residents Covid-19 can recover soon as is village formation Tough This "

Element Academic

Results of interviews with Mas Niko and Mbak Maryama (Uinsa and Unesa KKN students 2020) shows that the concept function is still carried out, even if only at the activity implementation level Study during pandemic. In effort handling epidemic COVID-19 in Village Tough Hamlet Our Cangkringan has also contributed actively, especially in terms of outreach and education to public For build awareness they will be dangerous epidemic COVID-19.

Element Business

The results of the interview with Mrs. Farida (Basnas Coordinator, Sukodono District) said that, we has attempted to carry out its function as a supporter in efforts to handle the COVID-19 outbreak in Resilient Village Cangkringan Hamlet. The contribution we make is mainly in

development Human Resources (HR) and company operations during the pandemic. We have too providing local residents with food supplies, masks and vitamins. All that to do as form responsibility we as sector business which Also have responsibility answer social.

Element Community Public

Element community public own function as accelerator or speed up objective programs or policies issued by the government. Based on the results of interviews with Mr Dini (Chief Coordinator of Kampung Tangguh) stated that, in efforts to handle the COVID-19 outbreak has join in contribute active mainly in matter socialization And education to public For build awareness they will danger of the COVID-19 outbreak.

Element Media

Results interview Which done with miss Vega And Miss Sella (Journalist Newspaper Radar Sidoarjo And *content creator* Proud Sidoarjo) show that, function publisher has done. Source person state that, always active inform development epidemic COVID-

19 from beginning spread until moment This, specifically information Which There is in Regency Sidoarjo. The resource person also stated that the information released would make the public more aware yourself and maintaining health during the pandemic. The news issued is not to scare, but more to open readers' minds that COVID-19 is not something to be underestimated but also not something to be overly afraid of. In issuing news related to COVID-19 noticed Also about impact psychological reader, by Because That as much as possible Possible For Avoid ambiguous diction or hyperbolic diction. Apart from that, Radar Sidoarjo is also always available coordinate with relevant government agencies, to synchronize data, this is done so that The news issued is accurate and reliable. The role of the media is increasingly important as neutralizer amidst the current proliferation of *hoaxes* . It's true that we haven't been able to fully combat this, because the types of readers are different and definitely have different interpretations in responding to it an information. But certainly the information has been released by Radar Sidoarjo and Bangga Sidoarjo has *impact* who knows that's a little or Lots in combat *hoaxes* , esp about epidemic COVID-19.

From results interview in on can known status indicator function from every element collaboration model *pentahelix* as following.

Table 6. Status Indicator function Collaboration *Pentahelix*

SAMPLE	ELEMENTS ACTOR	FUNCTIONSTATUS
Sidoarjo Regency Government Cangkringsari	And Village Government	
Implementation Coordinator		
Regulator	Implemented	
Implemented Controller		
Basnas Business	Sukodono Supporter	Implemented
Uinsa & Unesa 2020	District Conceptor	KKN academic Implemented
Community		
Public		
Chairman Coordinator Village		
Tough Hamlet Cangkringan		
Implemented Accelerator		
Radar Sidoarjo Newspaper Media	Content Creator Proud Sidoarjo	
Implemented Publicator		

No	Element Involved	Results Collaboration
1	Government	. Emit policy do And understanding. . Give empowerment.
2	Business	. Give help to public. . Obey And petrified realize policy government
3	Academics	. Obey And join in support rule Which issued government. . Give information And understanding together in the middle public.
4	Public	. Obey And join in support rule Which issued government. . Utilise facility Which has given by government . Give understanding together in the middle public.
5	Media	.. Obey And join in support rule Which issued government. . Give information And understanding together in the middle public.

Source: from results study

Program village tough This based community inhabitant And involve all inhabitant without except in the implementation of this program. Even tough villages based on *problem solving* in use it as an effort to solve problems in the midst of the corona virus. Tough village, isn't it? only tough to fight the corona virus but also tough in the economic, security and food needs. The collaborative process can be seen in the implementation of the resilient village program. Every holder interest role And cooperate in succeed objective from village tough.

Conclusion

Collaboration in handling Covid-19 cases is really needed starting from commitment, namely in the form of regulations regulation legislation Which become material in step. Draft *Collaborative Governance* made as step alternative in handling case Covid-19 Which expected able to realize the acceleration and implementation of handling Covid-19 which involves various parties [7]. *Collaborative Governance* is basically to unite stakeholders interest general And private in forum collective with institution public For involved in taking decision Which oriented consensus [1] And model The most ideal collaboration is the *pentahelix model collaboration* , which is also in accordance with Dini's direction retired as Chairman Village Tough Hamlet Cangkringan. Wrong One impact positive implementation collaboration model *pentahelix* in effort handling epidemic COVID-19 is the involvement of various elements like a community. There is community can become accelerator from objective Which has set. Matter This Because community public can accelerate the delivery of programs related to efforts to handle the COVID-19 outbreak, so that they will be able to build public awareness in increasing awareness of the ongoing epidemic, and comply with and participate in the success of the programs issued by the government. In line with [5] which explains that *pentahelix collaboration* exists role important to play in the support objective together.

The most appropriate effort to break the chain of the increasingly massive spread of COVID-19 is with method form awareness collective between stakeholders through program village Tough. Through

Tanggung Village is where the whole community is involved because of the commitment of the community within disconnect eye chain spread COVID-19 very needed. Policy as good as whatever will drain- drain if there is no commitment from the community. For this reason, stakeholders collaborate in an effort to decide The chain of spread of COVID-19 through this program is the best solution because it is in the program Village Tough This give socialization to public For each other remind For stay away crowd And always guard distance, as well as obey all form protocol health Which has recommended by government.

Results from research Which done by researchers more stands out in the aspect of village resilience, namely the village is able to create community compliance with the rules set by the government and able to improve community awareness to remind each other and work together For can push number spread Virus COVID-19. Effort public Hamlet Cangkringan And Village governance in resilient villages is by utilizing community capabilities in manage source Power Which There is For can utilized as fulfillment need community as well as providing hand sanitizer and providing hand washing equipment and others to be able to assist the success of the village government and community in reducing the spread of the COVID-19 virus 19.

Villages that are used as the last bastion of defense must have efforts to mitigate this disaster. Through the Resilient Village program, this is one manifestation of efforts to become the last fortress defense in mitigating the spread of COVID-19 which is carried out starting from the

scope The smallest are from villages and local residents. In this aspect it is also closely related to social entities. By Because That toughness village as form defense final very determine How a policy can be realized well. Social resilience that is able to take advantage social diversity to support each other and build solidarity between village communities. Existence from entity social to toughness something village will tested If environment the showing change Which Enough significant as well as influential to public That Alone. In pandemic COVID-19, many Indonesians are experiencing a deficit in creativity or social diversity innovation. This pandemic has also provided a fairly clear picture of the social system of the Indonesian nation capable Work, Good start from realm political, social, economic and environment.

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